G-800 SERVICE NOTES

INTELLIGENT SYNTHESIZER
64 VOICE POLYPHONY

First Edition

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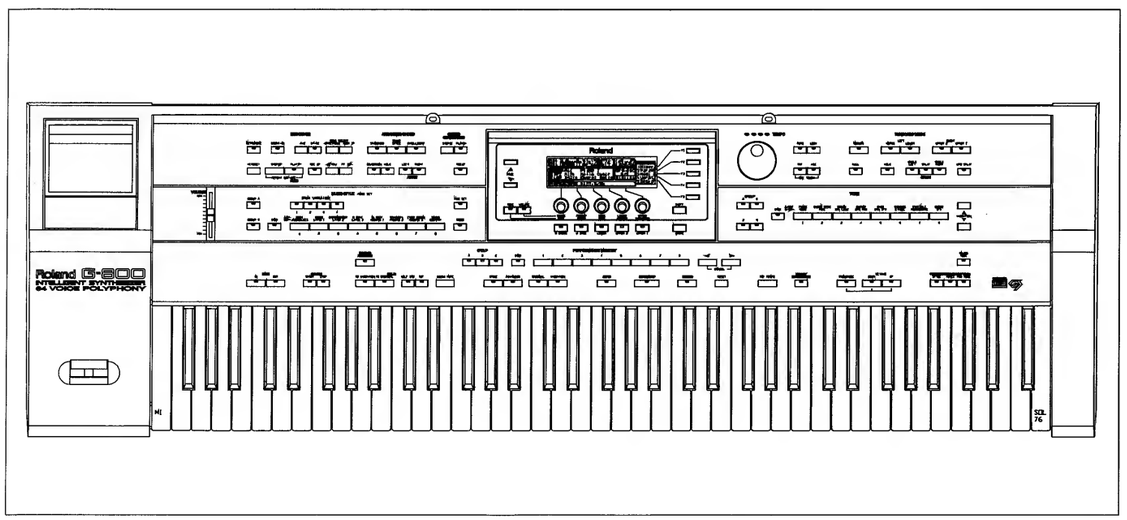
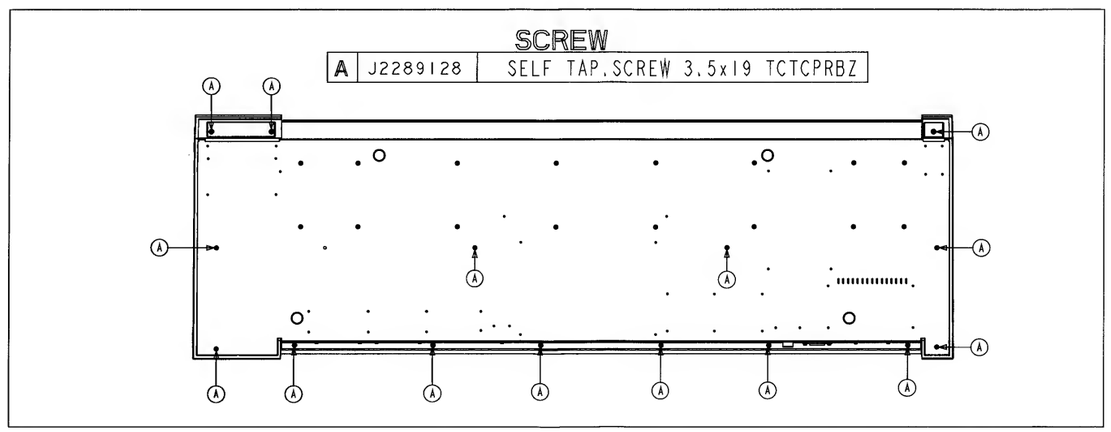


SPECIFICATIONS

Keyboard	76 Weigthted keys, velocity sensitive	
Sound Source	Newly developed(GS/GM-Format)	
Number of Tones	689+25 Drum Sets(incl. 1 Oriental Drum Set)	
Maximum Polyphony	64 Voices	
Multitimbral Parts	32	
Music Styles	128 and Variations, 8 Tracks	
Resolution	120 ticks per quarter note	
User Styles	8	
Performance Memory	192	
Midi Set	8	
Song Composer	Direct to Disk	
Built-in Digital Effects	Reverb, Chorus, Delay, Equalizer	
Floppy Disk Drive	SMF music data playback/recording,	
	ISM music data playback,	
	Data Load/Save for User Style,	
	User Style Set, Performance Memory,	
	MIDI Set, Chord Sequence	
Rotary Encoder	6(1xLarge, 5xSmall)	
Display	Graphic 240x64 pixel backlit LCD	
Wave Memory	10 Mbytes	
Jack and Connections	Phones Out	
	Stereo Out	
	Sustain	
	Foot Switch	
	Expression Pedal	
	Foot Controller (FC-7)	
	MIDI A (In, Out, Thru)	
	MIDI B (In, Out, Thru)	
	Metronome Out	
	AC Inlet	
Controls	Master Volume	(Slider)
	LCD Contrast	(Rotative)
	Metronome Level	(Rotative)
	Data Entry	(Encoder)
	Tempo	(Encoder)
Stereo Output Level	-4 dBm	Master Volume : Max
		Tone : Sine Wave
		Play : C4 Key (Vel=Max)
		Reverb : 0 (Zero)
Stereo Output Impedence	680 Ohm	
Phones Output Level	0 dBm	Master Volume : Max
		Stereo Phones : 30 Ohm
		Tone : Sine Wave
		Play : C4 Key (Vel=Max)
		Reverb : 0 (Zero)
Phones Output Impedence	100 Ohm	
Minimum Phones Impedence	8 Ohm	
Power Consumption	16W (AC 100V)	
	18W (AC 117V)	
	20W (AC 230V)	
External Dimension	1267(W)x407(D)x150(H) mm	
	49.88(W)x16.02(D)x5.91(H) inch	
Weight	18kg/39.68lbs	
Accessory	Midi Guide	(K6018109)
	Midi Implementation	(K6018186)
	Player's Guide (E)	(K6018185)
	Reference Guide (E)	(K6018187)
Options	FC-7 Foot Controller, EV-5 Expression pedal, DP-2, DP-6, or FS-5U Foot Switch, MSA, MSD and MSE series Style Disk	

DISASSEMBLY

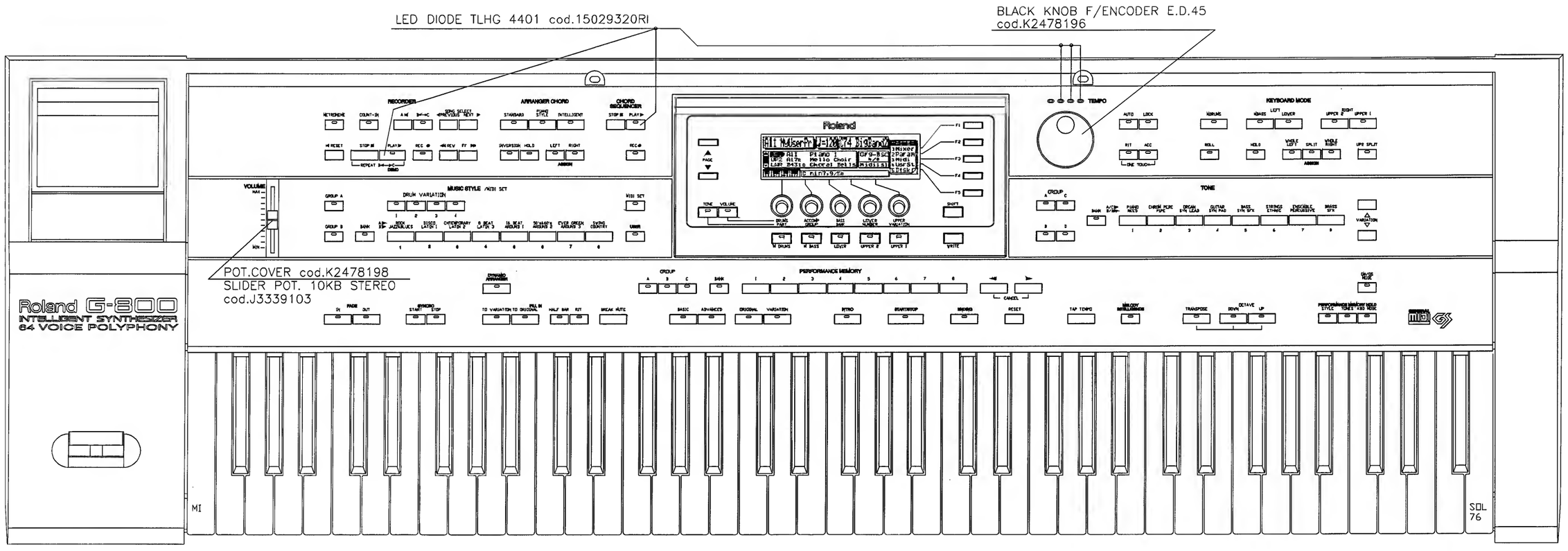


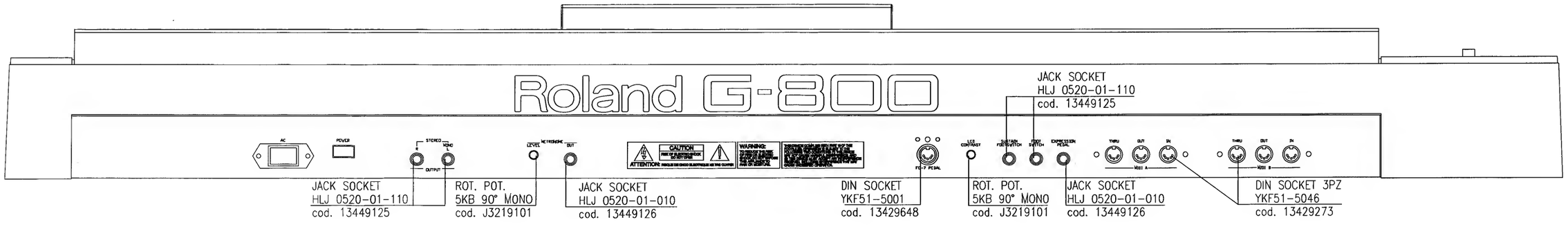
G-800

LOCATION OF CONTROLS

- KNOB 29x8 BLACK W/DIFFUSER cod.K2478199
- KNOB GROUP 22x8 BLACK W/DIFFUSER cod.K2478200
- KNOB GROUP 15x8 BLACK W/DIFFUSER cod.K2478201
- KNOB GROUP 22x8 BLACK cod.K2478202
- KNOB GROUP 15x8 BLACK cod.K2478203

* ALL SWITCHS ARE: SWITCH TYPE EVQ-QVT 05G cod. 13129753RI
* ALL LEDS ARE: LED DIODE TLHR4401 cod.15029284RI





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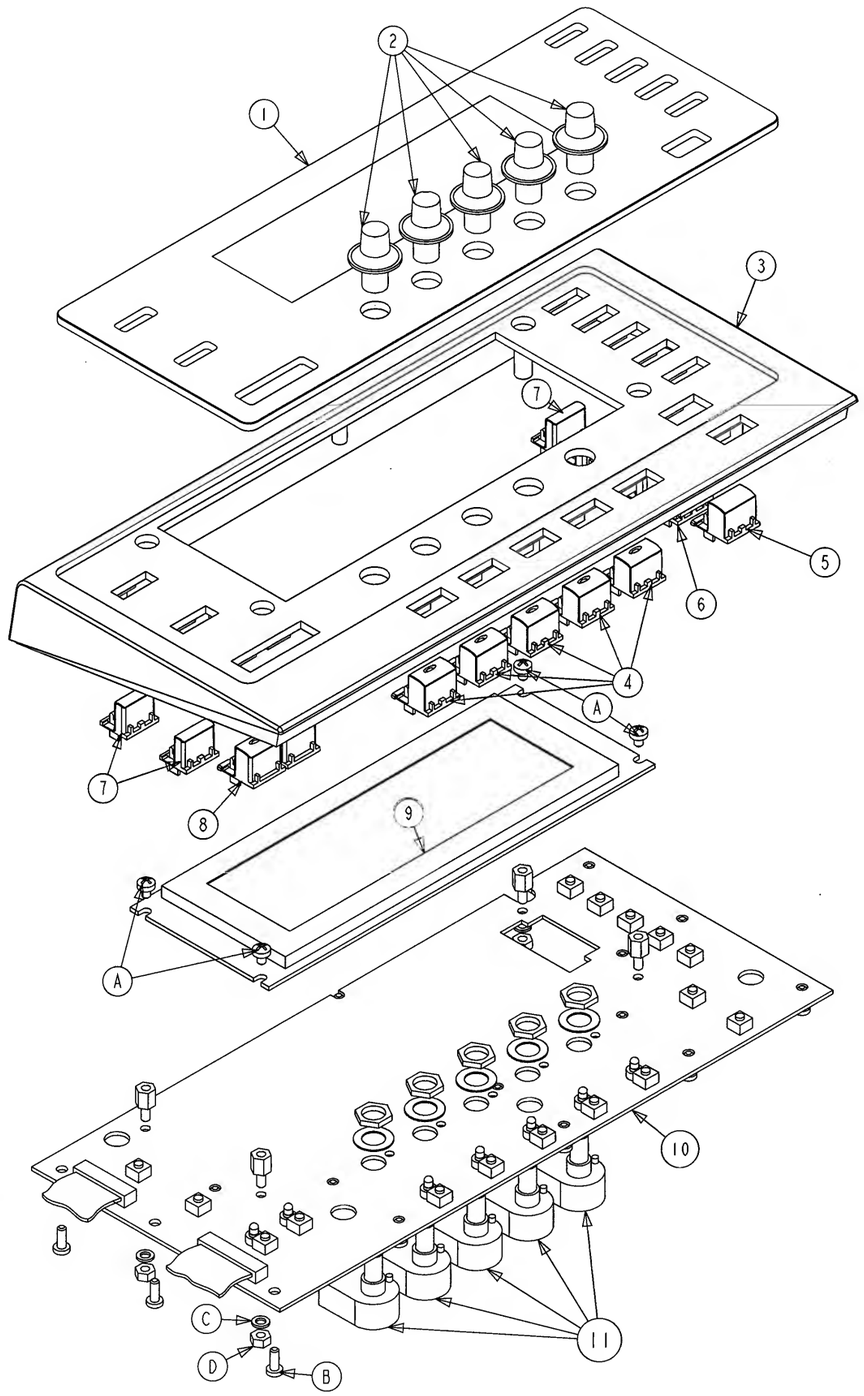
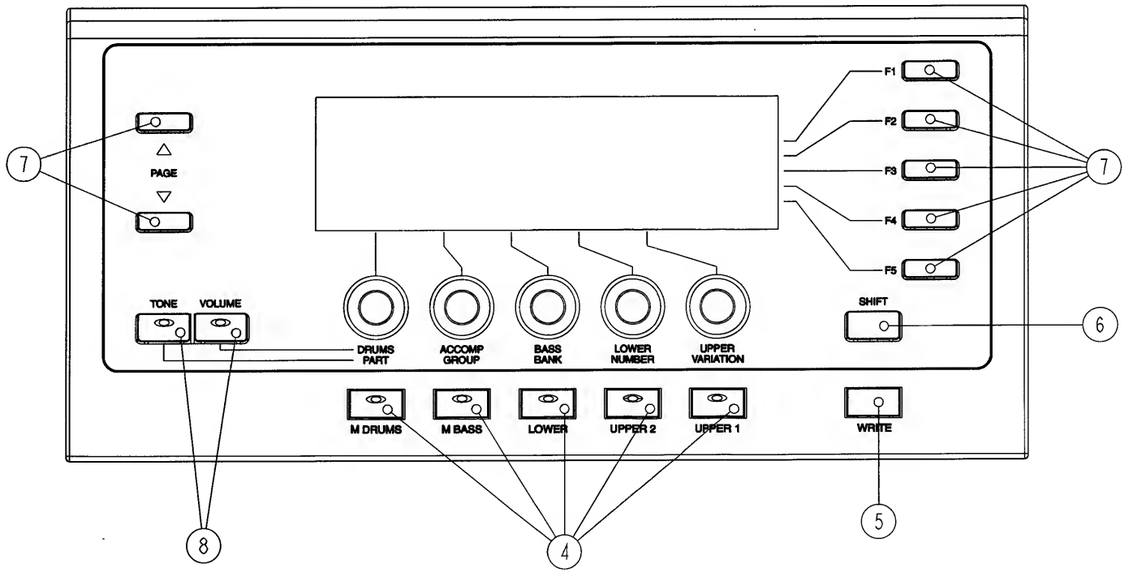
EXPLODED VIEW 1



PARTS		
N.	**PARTS N.**	**PARTS NAME**
1	00787890	SILKSCR. PLEXIGLASS G-800
2	K2478197	BLACK KNOB F/ENCODER E.D.18
3	7697238000	VARN+SILK. LCD CONTROL SUPPORT
4	K2478201	KNOB GROUP 15x8 W/DIFF.-BLACK-/ LED DIODE TLHR-4401(15029284R1)
5	K2478203	KNOB GROUP 15x8 -BLACK
6	K2478206	KNOB COUPLE 15x8 -BLACK-
7	K2478204	BLACK KNOB 15x5
8	K2478205	KNOB COUPLE 15x8 W/DIFF.-BLACK-/ LED DIODE TLHR-4401(15029284R1)
9	7697231000	LCD ASSY G-800
10	7697209000	CENTRAL CONTROLS PCB ASSY G-800
11	J3119101	ENCODER EVQ-WQK F15-24B
*	ALL SWITCHS ARE: SWITCH TYPE EVQ-QVT 05G (13129753R1)	
SCREW		
A	J2289111	SELF LOCK.SCREW M3x4 TCTC H.6
B	J2289126	SELF TAP.SCREW 2.9x8 TCTCPRBZ
C	J2139102	TOOTHED WASHER I.D.3
D	J2289113	NUT 3MA H.3



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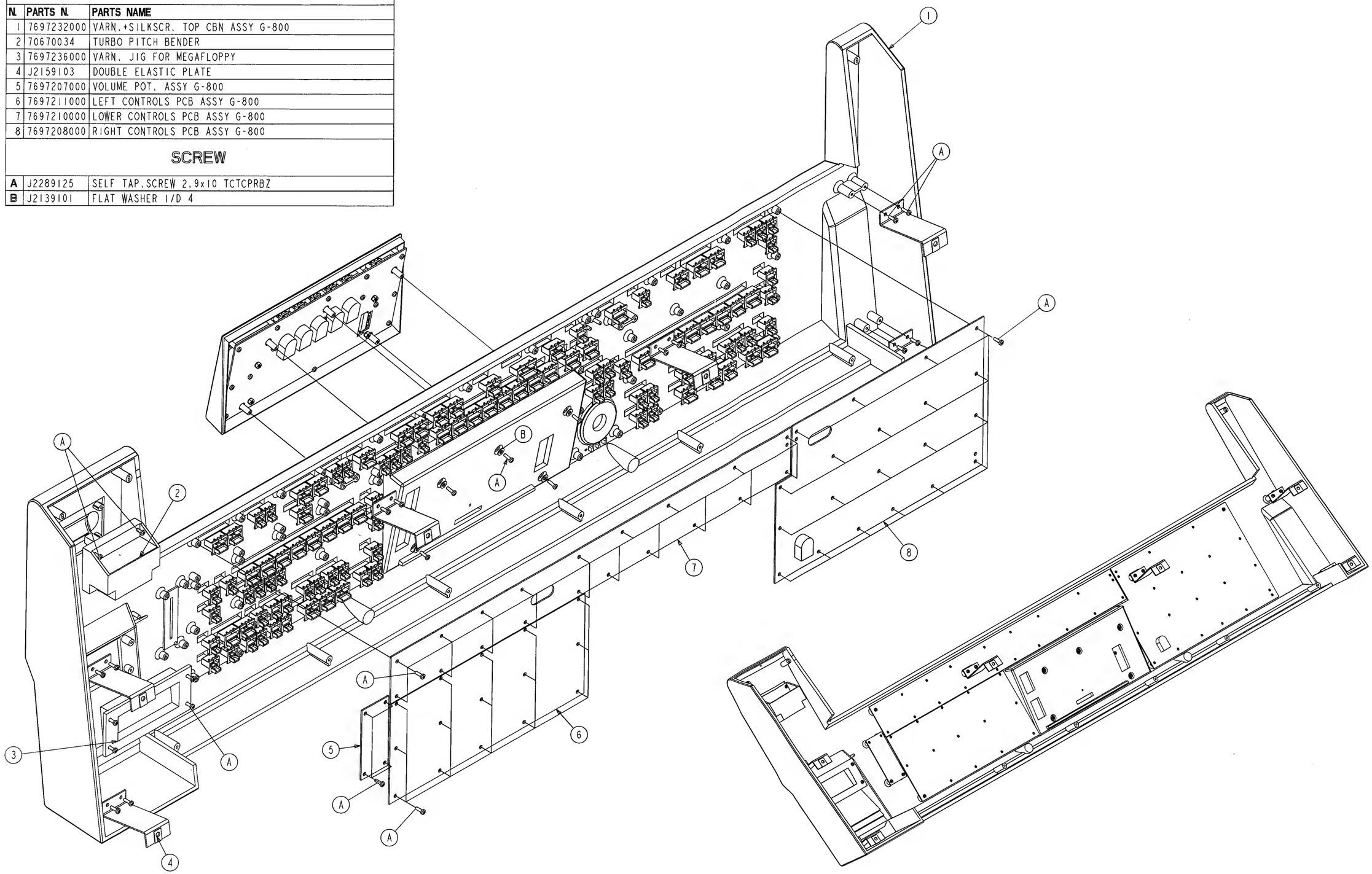
EXPLODED VIEW 2

PARTS		
N.	**PARTS N.**	**PARTS NAME**
1	7697232000	VARN.+SILKSCR. TOP CBN ASSY G-800
2	70670034	TURBO PITCH BENDER
3	7697236000	VARN. JIG FOR MEGAFLOPPY
4	J2159103	DOUBLE ELASTIC PLATE
5	7697207000	VOLUME POT. ASSY G-800
6	7697211000	LEFT CONTROLS PCB ASSY G-800
7	7697210000	LOWER CONTROLS PCB ASSY G-800
8	7697208000	RIGHT CONTROLS PCB ASSY G-800
SCREW		
A	J2289125	SELF TAP.SCREW 2.9x10 TCTCPRBZ
B	J2139101	FLAT WASHER I/D 4



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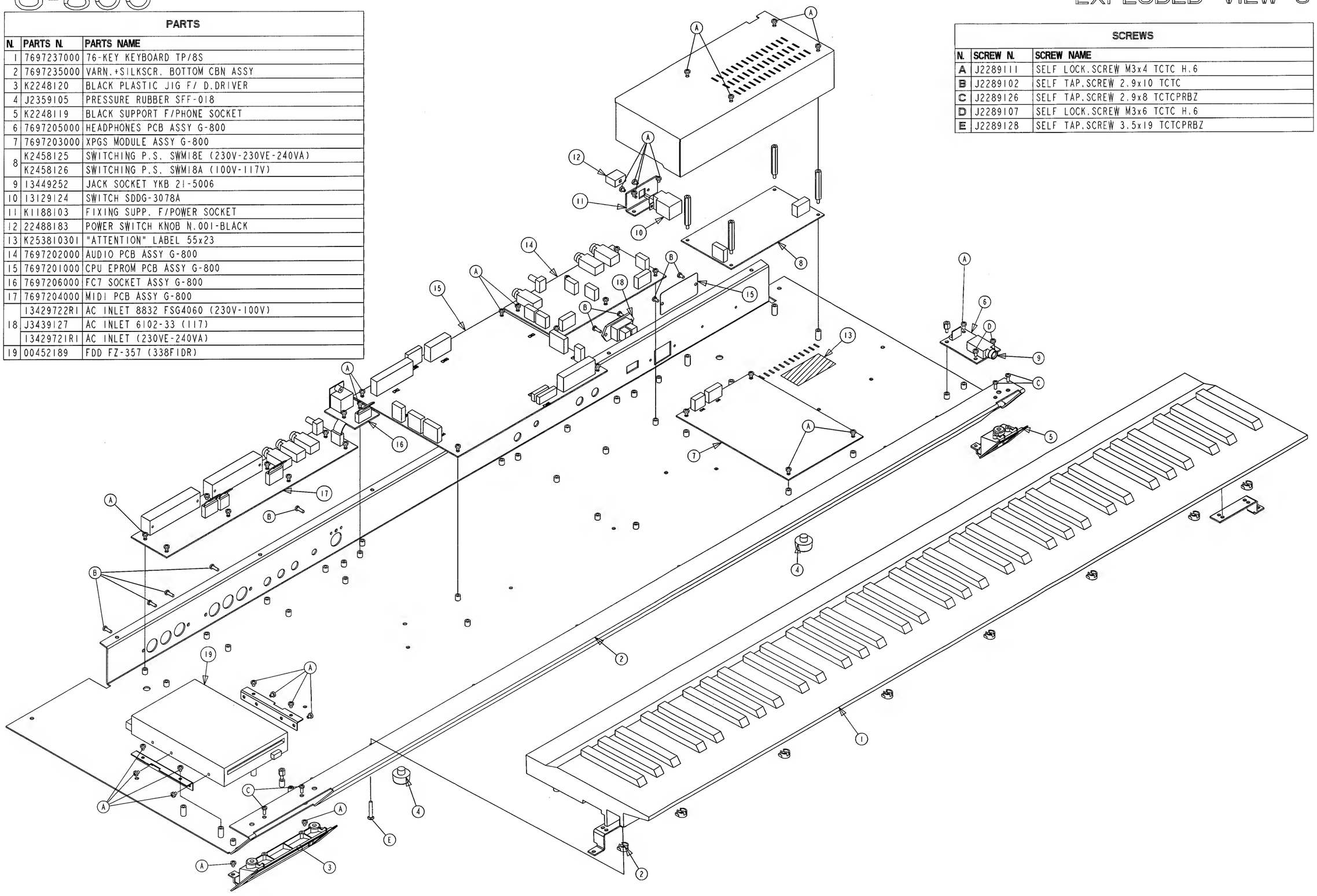
EXPLODED VIEW 3

PARTS		
N.	PARTS N.	PARTS NAME
1	7697237000	76-KEY KEYBOARD TP/8S
2	7697235000	VARN.+SILKSCR. BOTTOM CBN ASSY
3	K2248120	BLACK PLASTIC JIG F/ D.DRIVER
4	J2359105	PRESSURE RUBBER SFF-018
5	K2248119	BLACK SUPPORT F/PHONE SOCKET
6	7697205000	HEADPHONES PCB ASSY G-800
7	7697203000	XPGS MODULE ASSY G-800
8	K2458125	SWITCHING P.S. SWMI8E (230V-230VE-240VA)
	K2458126	SWITCHING P.S. SWMI8A (100V-117V)
9	13449252	JACK SOCKET YKB 21-5006
10	13129124	SWITCH SDDG-3078A
11	K1188103	FIXING SUPP. F/POWER SOCKET
12	22488183	POWER SWITCH KNOB N.001-BLACK
13	K253810301	"ATTENTION" LABEL 55x23
14	7697202000	AUDIO PCB ASSY G-800
15	7697201000	CPU EPROM PCB ASSY G-800
16	7697206000	FC7 SOCKET ASSY G-800
17	7697204000	MIDI PCB ASSY G-800
18	13429722RI	AC INLET 8832 FSG4060 (230V-100V)
	J3439127	AC INLET 6102-33 (117)
	13429721RI	AC INLET (230VE-240VA)
19	00452189	FDD FZ-357 (338FIDR)

SCREWS		
N.	SCREW N.	SCREW NAME
A	J2289111	SELF LOCK.SCREW M3x4 TCTC H.6
B	J2289102	SELF TAP.SCREW 2.9x10 TCTC
C	J2289126	SELF TAP.SCREW 2.9x8 TCTCPRBZ
D	J2289107	SELF LOCK.SCREW M3x6 TCTC H.6
E	J2289128	SELF TAP.SCREW 3.5x19 TCTCPRBZ



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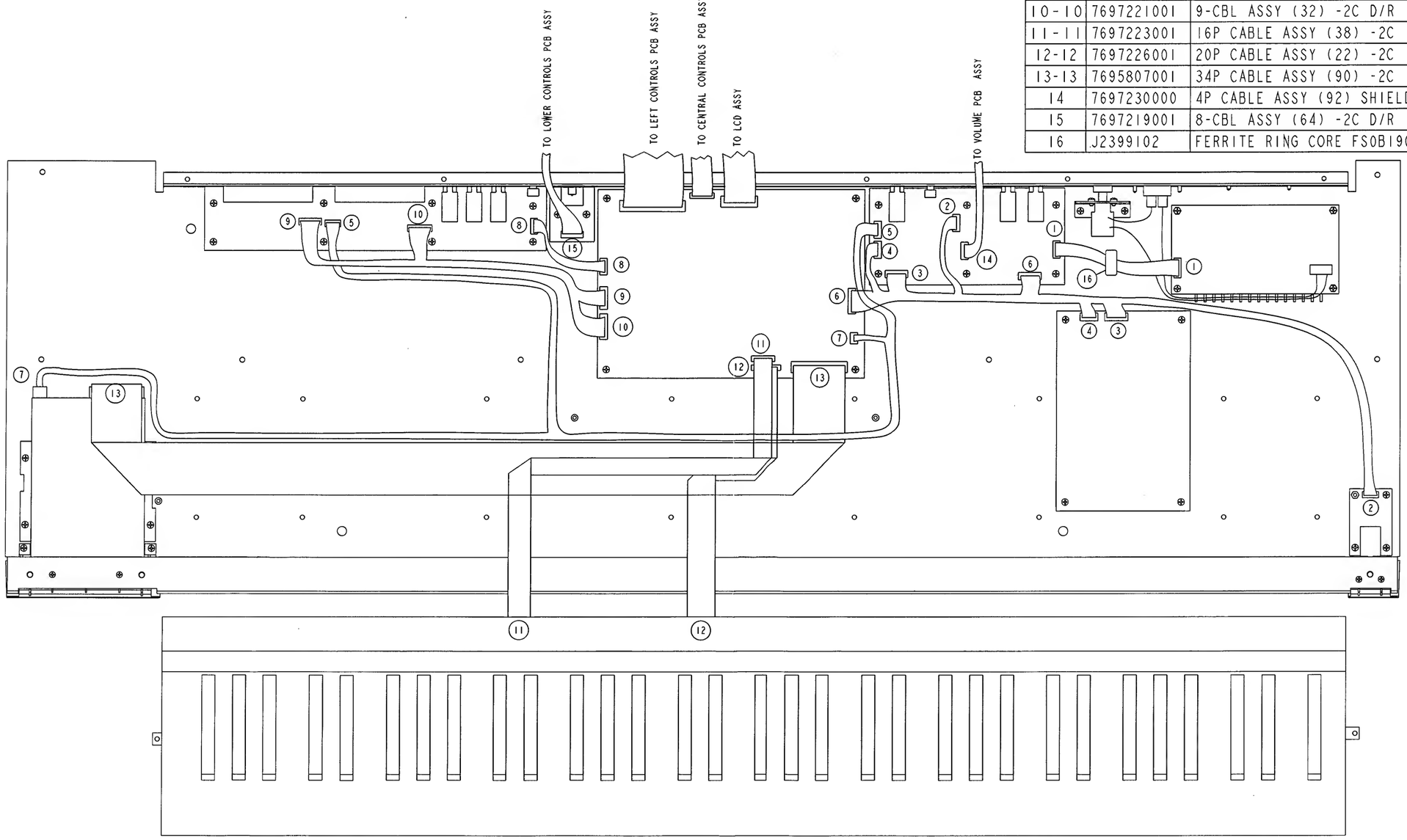
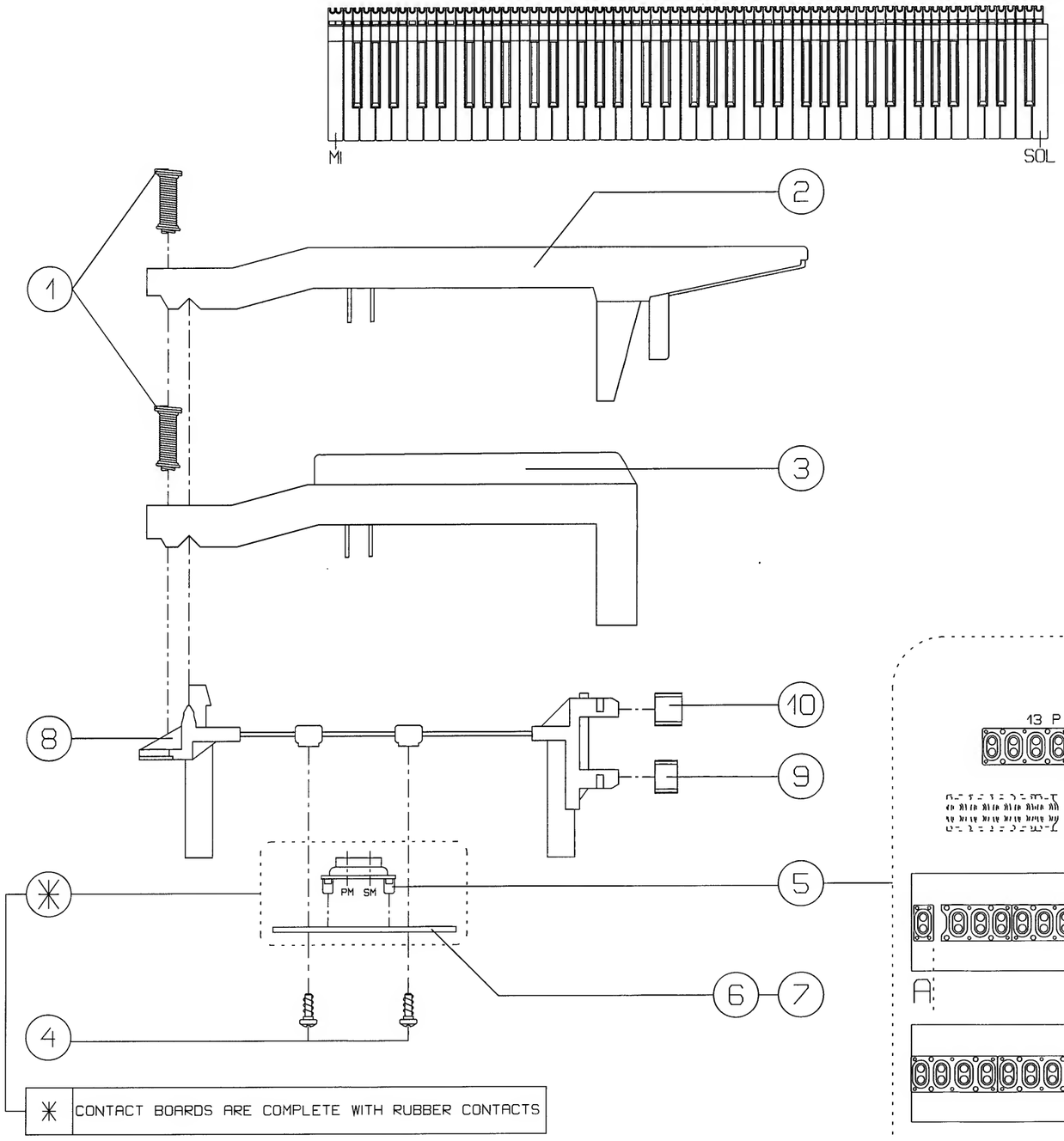
WIRING DIAGRAM

PARTS		
N.	PARTS N.	PARTS NAME
1-1	7697215001	7-CBL ASSY (16) -2C D/R
2-2	7697212001	6-CBL ASSY (64) -2C D/R
3-3	7697220001	8-CBL ASSY (32) -2C D/R
4-4	7697217001	6-CBL ASSY (30) -2C D/R
5-5	7697214001	6-CBL ASSY (90) -2C D/R
6-6	7316407001	9-CBL ASSY (22) -2C D/D
7-7	7697229000	3-CBL ASSY (100) -2C (4P)
8-8	7697216001	6-CBL ASSY (16) -2C D/R
9-9	7697218001	8-CBL ASSY (38) -2C D/R
10-10	7697221001	9-CBL ASSY (32) -2C D/R
11-11	7697223001	16P CABLE ASSY (38) -2C
12-12	7697226001	20P CABLE ASSY (22) -2C
13-13	7695807001	34P CABLE ASSY (90) -2C
14	7697230000	4P CABLE ASSY (92) SHIELDED
15	7697219001	8-CBL ASSY (64) -2C D/R
16	J2399102	FERRITE RING CORE FS0B190RT

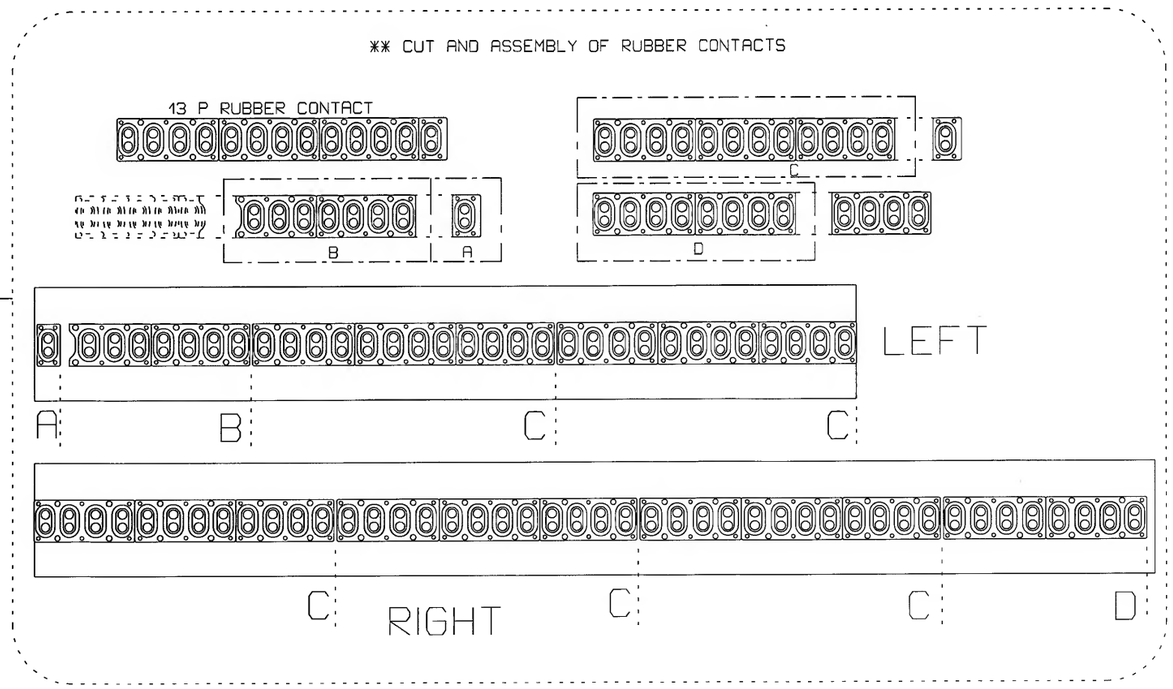


76-KEY KEYBOARD TP/8S Cod. 7697237000

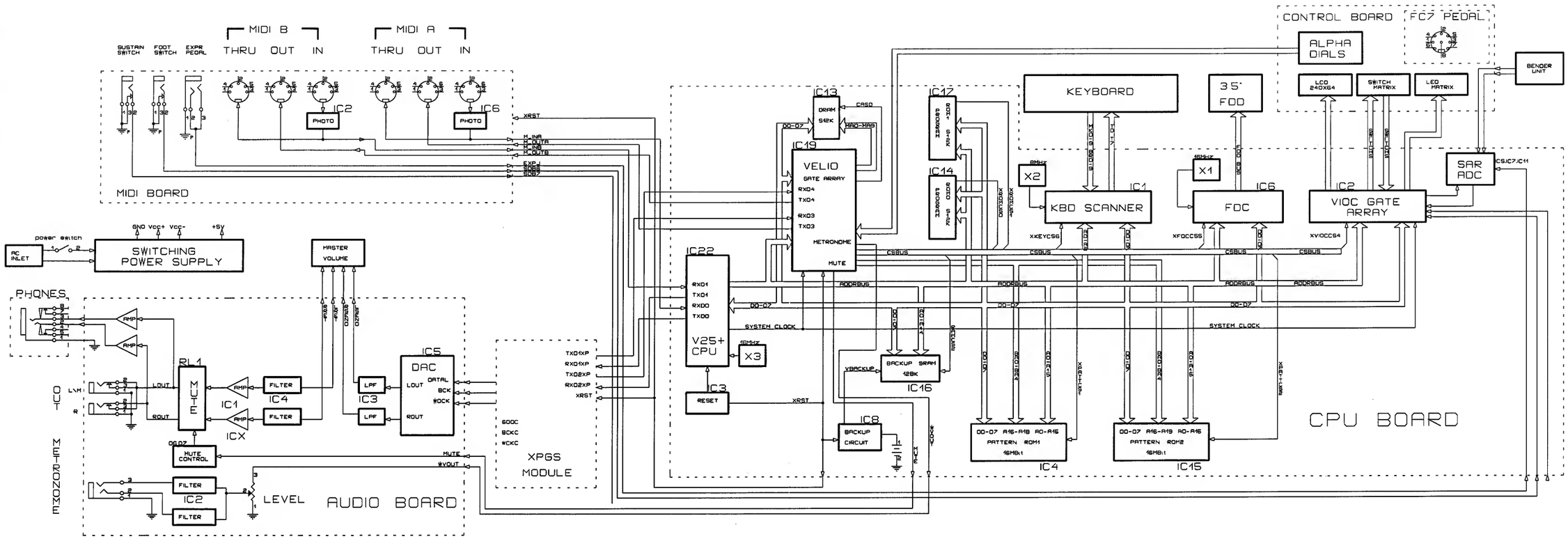


KEYBOARD PARTS LIST

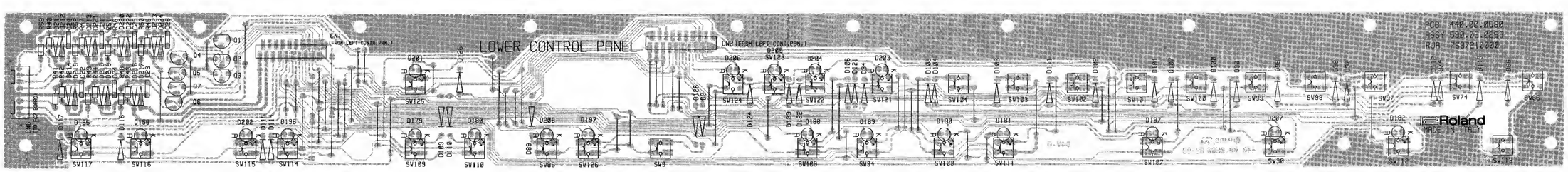
Ref	Description		Code	n
1	KEY SPRING gr60 art122		J2179107	76
2	NATURAL KEY C8 (gr20) TP/8S	MI(I)	J2579171	1
	NATURAL KEY C (gr20) TP/8S	DO	J2579172	6
	NATURAL KEY D (gr20) TP/8S	RE	J2579173	6
	NATURAL KEY E (gr20) TP/8S	MI	J2579174	6
	NATURAL KEY F (gr20) TP/8S	FA	J2579175	7
	NATURAL KEY G (gr20) TP/8S	SOL	J2579176	6
	NATURAL KEY A (gr20) TP/8S	LA	J2579177	6
	NATURAL KEY B (gr20) TP/8S	SI	J2579178	6
	NATURAL KEY G2 (gr20) TP/8S	SOL(F)	J2579179	1
3	SHARP KEY (gr16) TP/8S		J2579180	31
4	SELF TAP SCREW 2,9x8mm TC TC PR BZ		J2289126	42
5	13P RUBBER CONTACT		J3169101	7**
6	LEFT CONTACT PCB ASSY+RUBBER		7695005000	1
7	RIGHT CONTACT PCB ASSY+RUBBER		7695004000	1
8	76-KEY KEYBOARD CHASSIS TP/8S		J2579181	1
9	GUIDE BUSHING INFERIOR		J2359104	45
10	GUIDE BUSHING SUPERIOR		22158789	76



BLOCK DIAGRAM

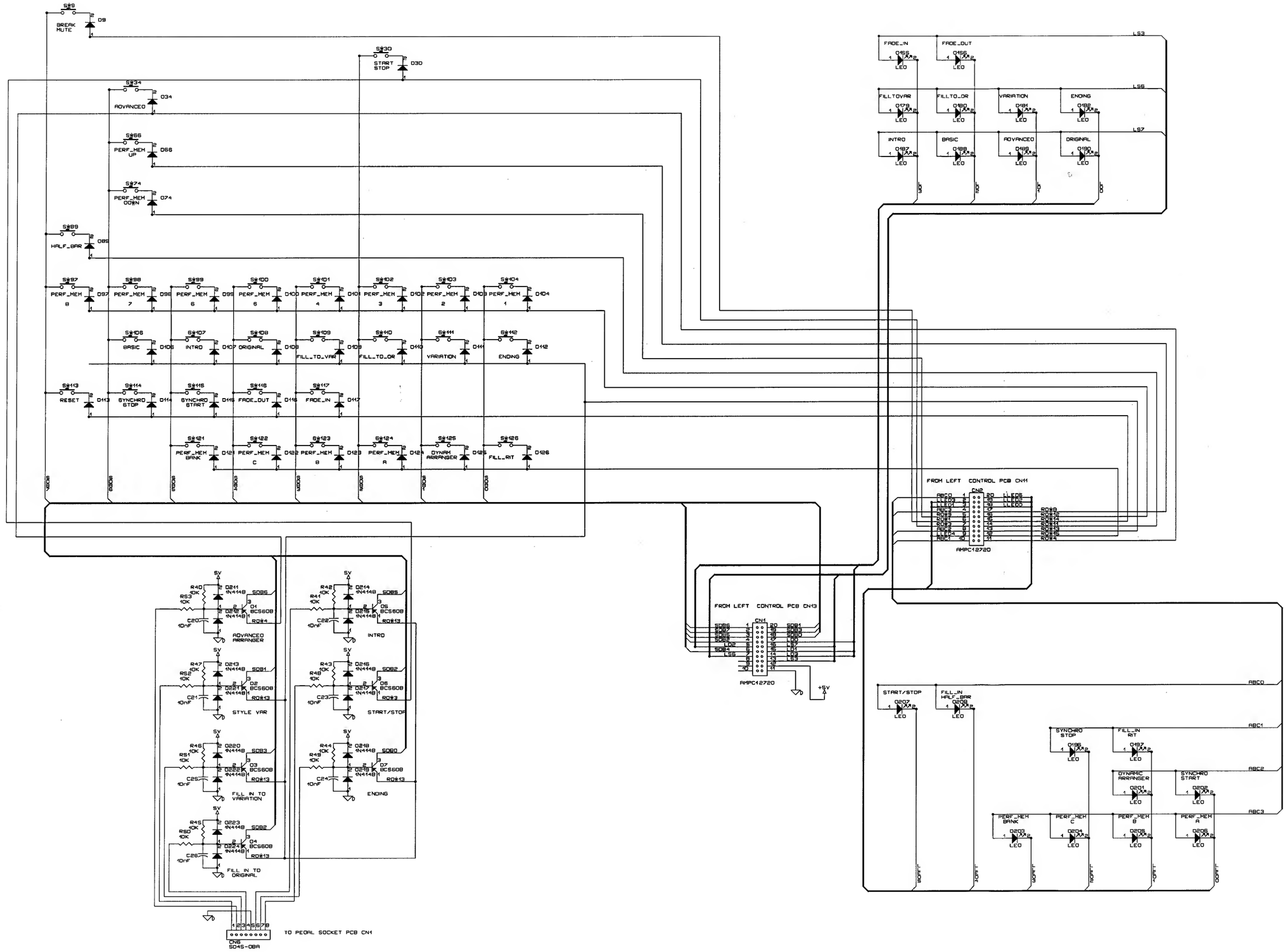


LOWER CONTROL PCB ASSY(or LOWER CONTROL BOARD)

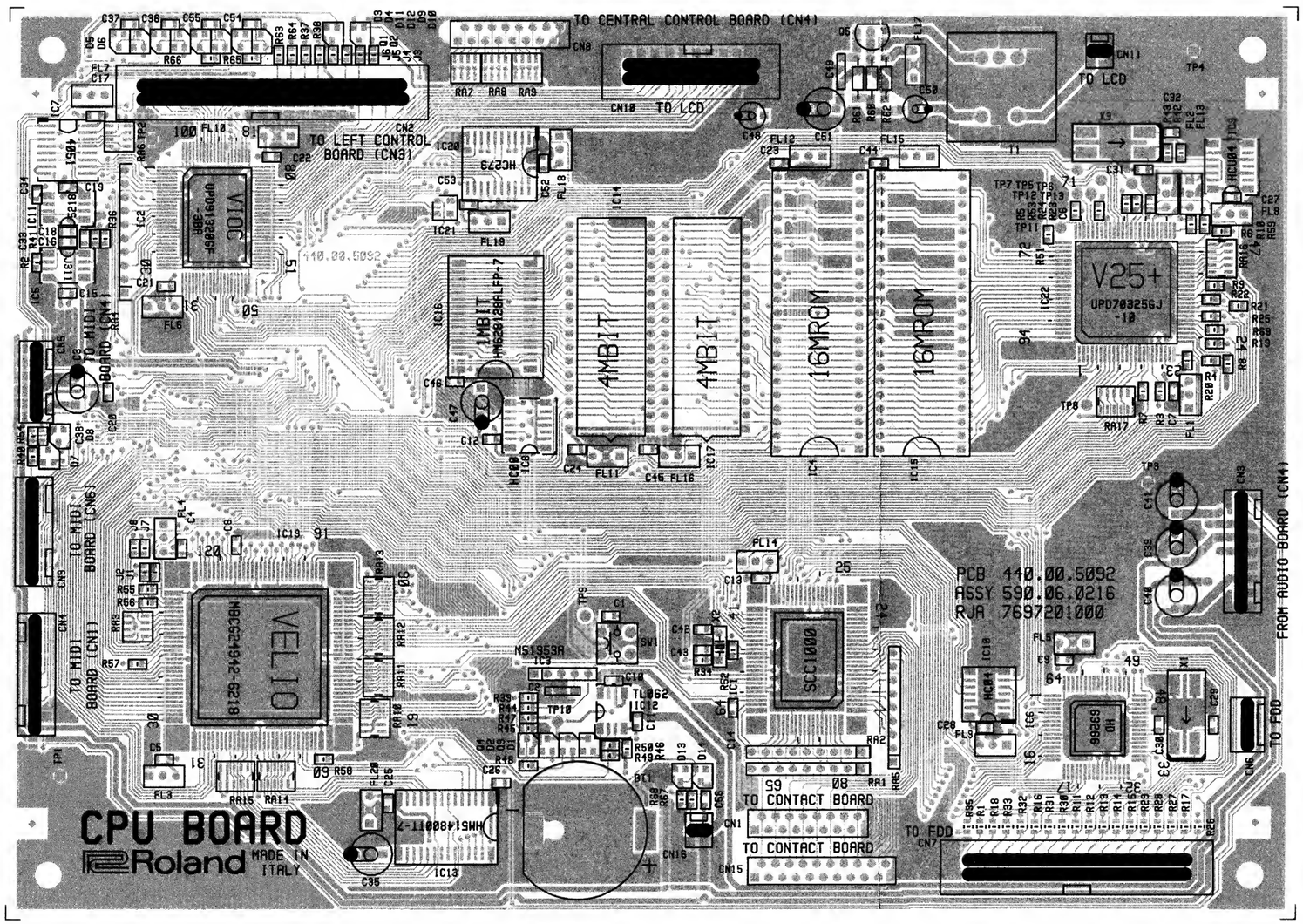


View from component side

CIRCUIT DIAGRAM(LOWER CONTROL BOARD)



CPU PCB ASSY(or CPU BOARD)



View from component side

For Nordic Countries

Apparatus containing Lithium batteries

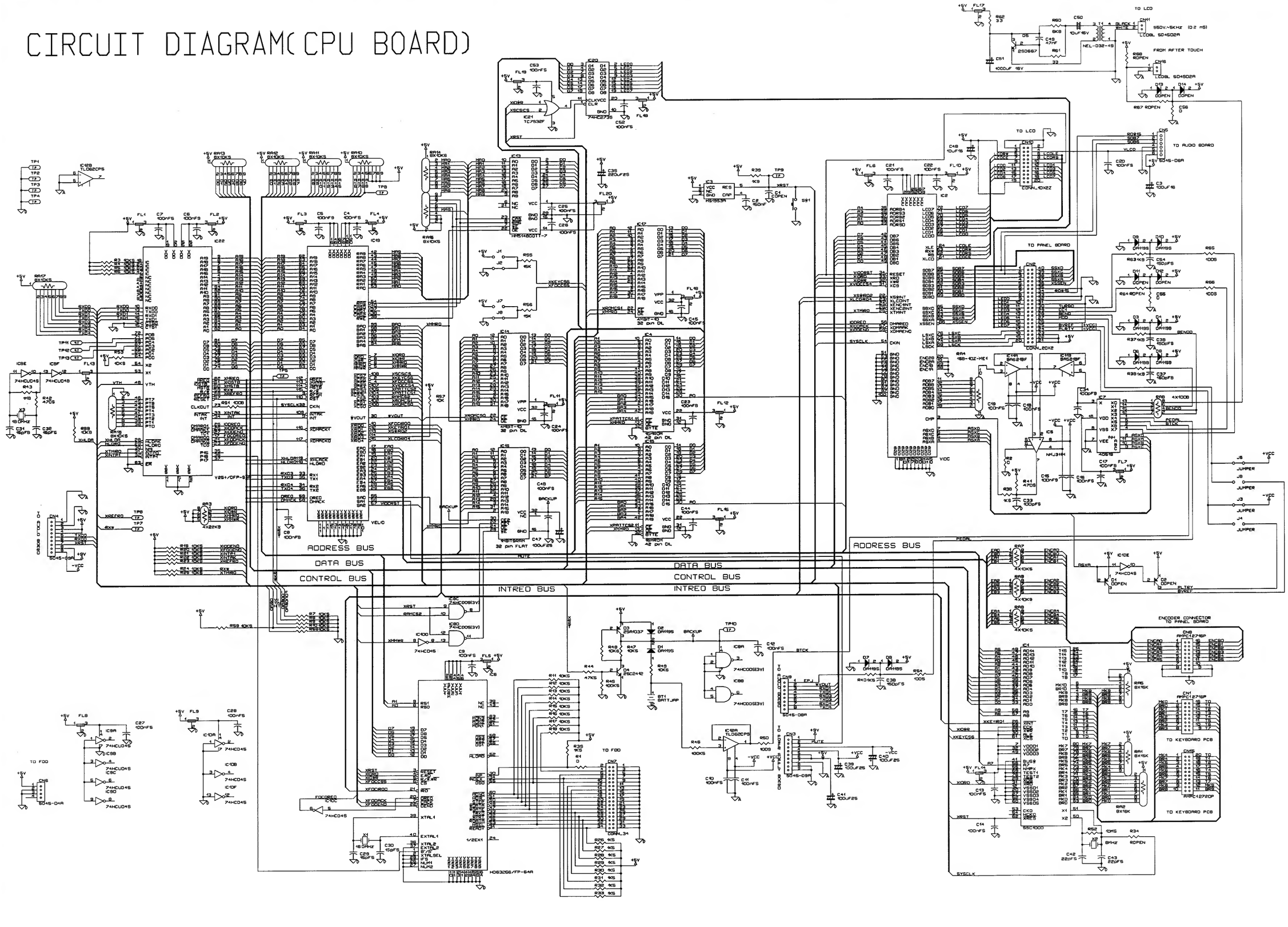
ADVARSEL!
Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandøren.

ADVARSEL!
Lithiumbatteri - Eksplosjonsfare.
Ved utskifting benyttes kun batteri som anbefalt av apparatfabrikanten.
Brukt batteri returneres apparatleverandøren.

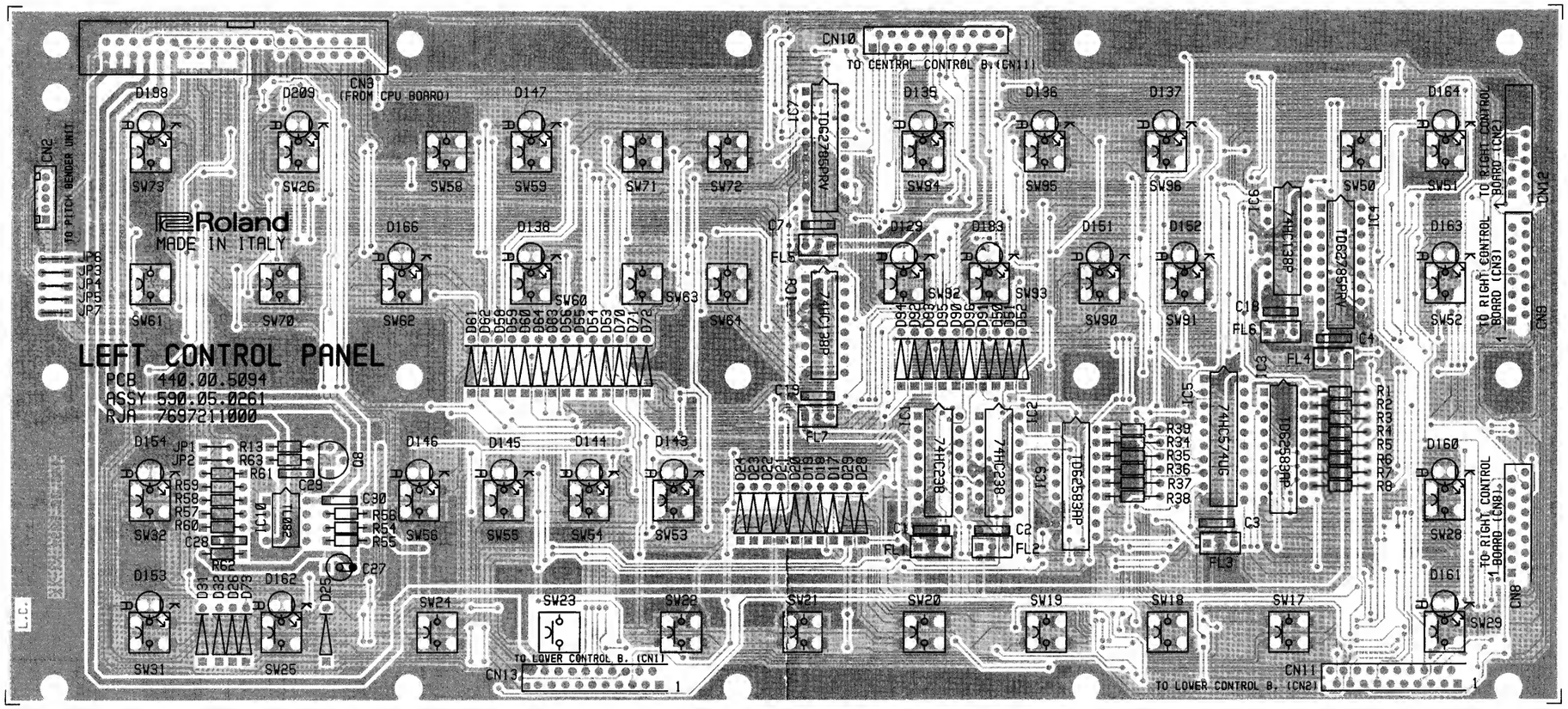
VARNING!
Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt fabrikantens instruktion.

VAROITUS!
Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

CIRCUIT DIAGRAM(CPU BOARD)

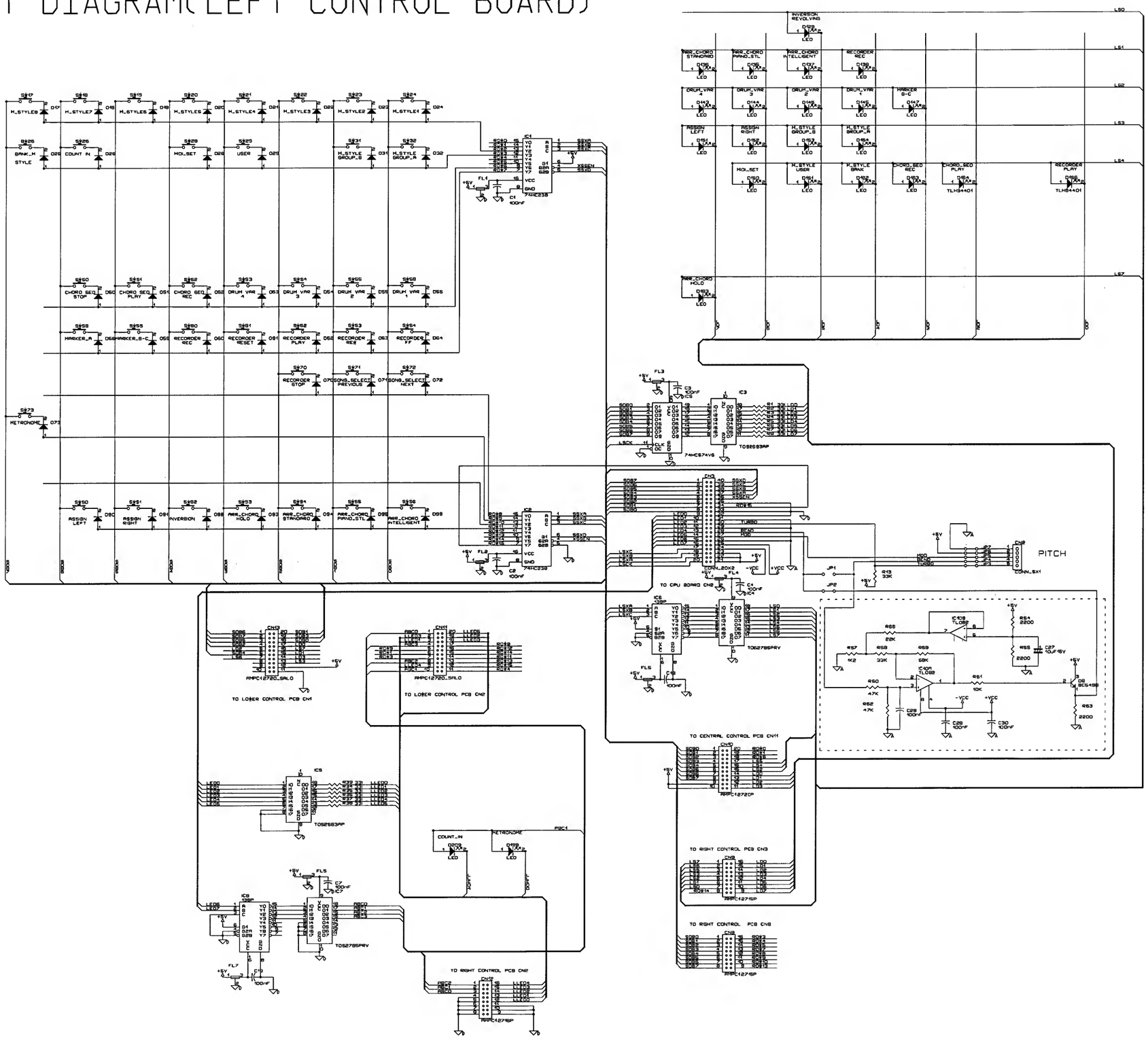


LEFT CONTROL PCB ASSY(or LEFT CONTROL BOARD)

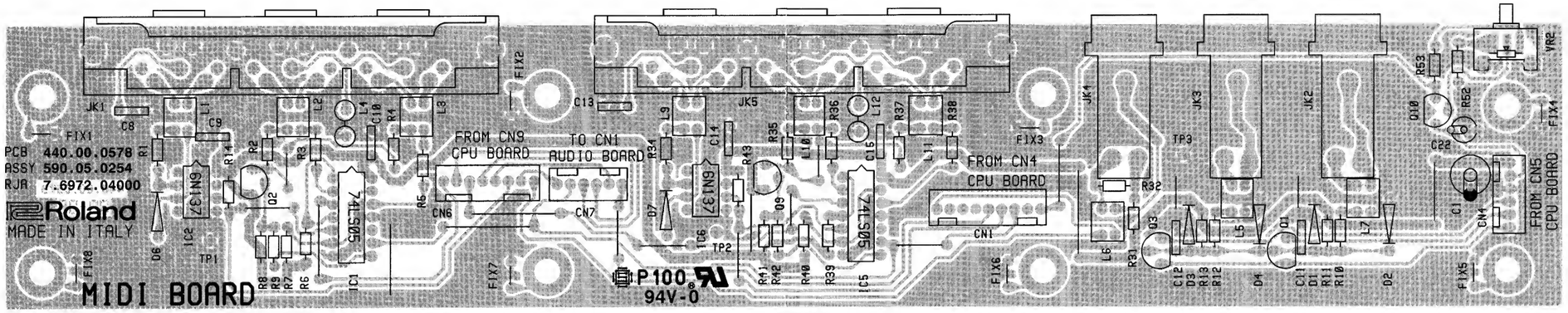


View from component side

CIRCUIT DIAGRAM(LEFT CONTROL BOARD)

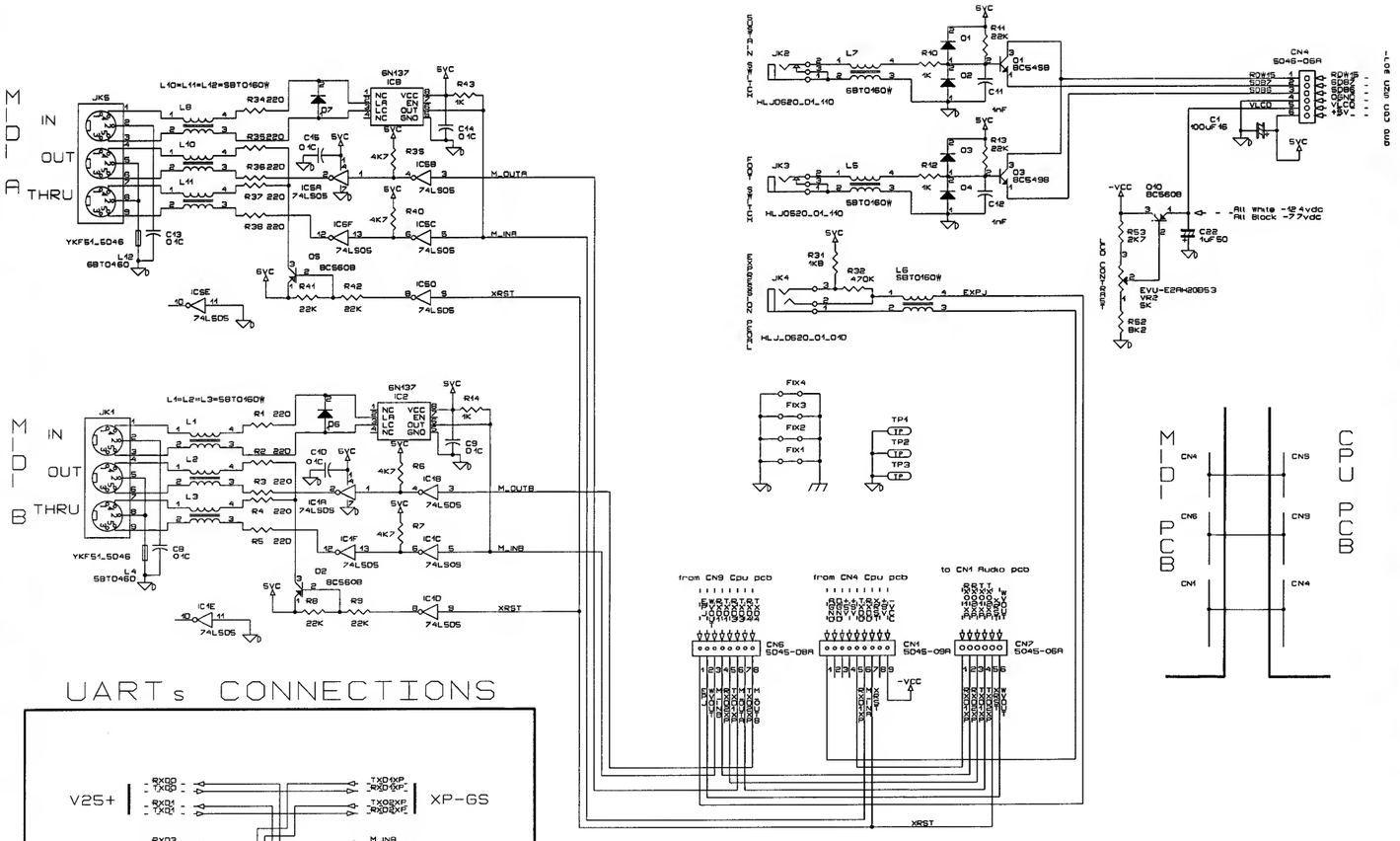

M_STYLE8
M_STYLE7
M_STYLE6
M_STYLE5
M_STYLE4
M_STYLE3
M_STYLE2
M_STYLE1
BANK_M STYLE
COUNT IN
MOI_SET
USER
M_STYLE GROUP_B
M_STYLE GROUP_A
CHORD_SEQ STOP
CHORD_SEQ PLAY
CHORD_SEQ REC
DRUM_VAR 4
DRUM_VAR 3
DRUM_VAR 2
DRUM_VAR 1
MARKER_A
MARKER_B-C
RECORDER REC
RECORDER RESET
RECORDER PLAY
RECORDER REC
RECORDER FF
RECORDER STOP
SONG_SELECT PREVIOUS
SONG_SELECT NEXT
METRONOME
ASSIGN LEFT
ASSIGN RIGHT
INVERSION
ARR_CHORD HOLD
ARR_CHORD STANDARD
ARR_CHORD PIANO_STL
ARR_CHORD INTELLIGENT
INVERSION REVOLVING
ARR_CHORD STANDARD
ARR_CHORD PIANO_STL
ARR_CHORD INTELLIGENT
RECORDER REC
DRUM_VAR 4
DRUM_VAR 3
DRUM_VAR 2
DRUM_VAR 1
MARKER B-C
ASSIGN LEFT
ASSIGN RIGHT
M_STYLE GROUP_B
M_STYLE GROUP_A
MOI_SET
M_STYLE USER
M_STYLE BANK
CHORD_SEQ REC
CHORD_SEQ PLAY
RECORDER PLAY
ARR_CHORD HOLD
TLH3401
TLH3401
TC9274P
TC9274P
TC9274P

MIDI PCB ASSY(or MIDI BOARD)

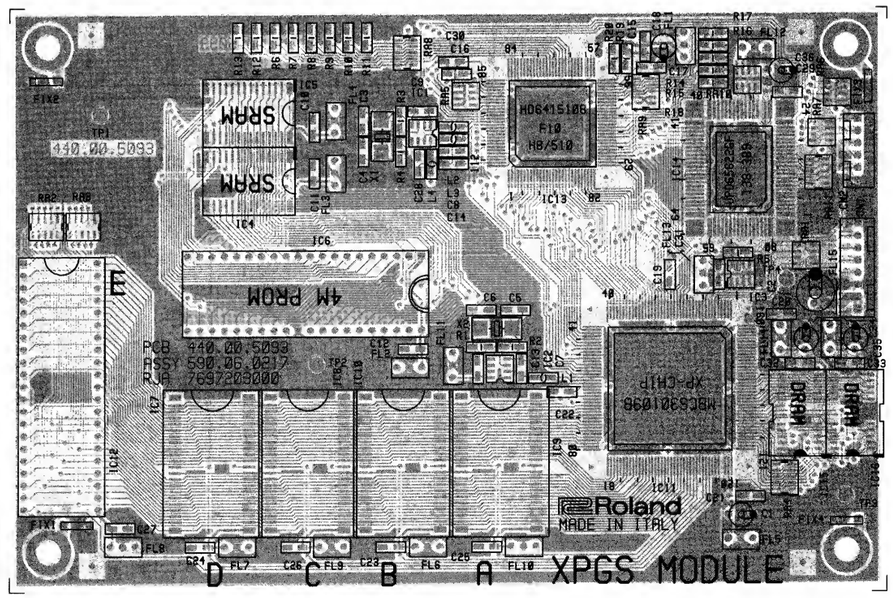


View from component side

CIRCUIT DIAGRAM(MIDI BOARD)



XPGS MODULE PCB ASSY (or XPGS MODULE BOARD)



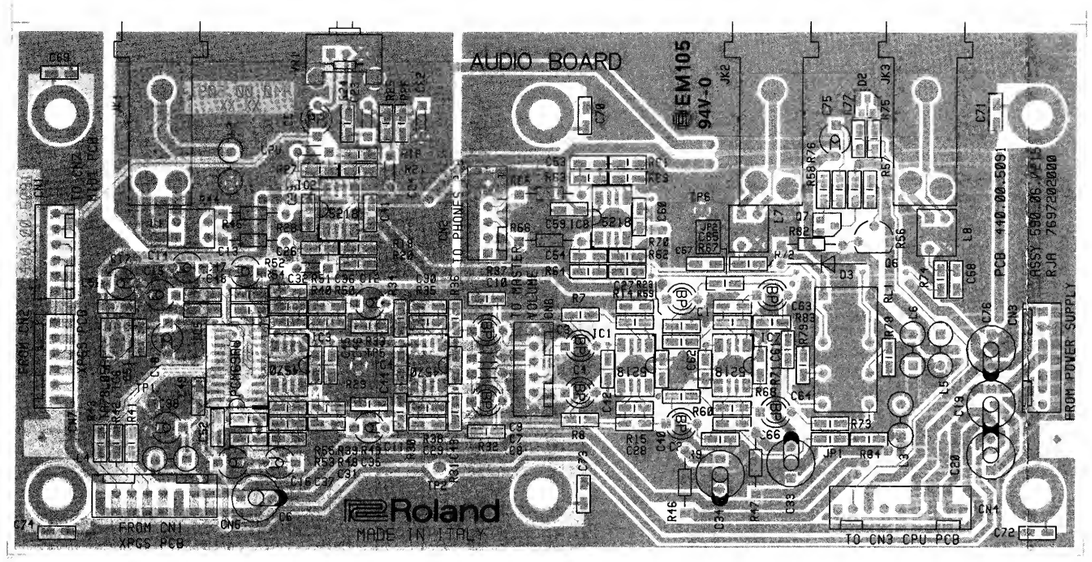
View from component side

CIRCUIT DIAGRAM(XPGS MODULE BOARD)

	R20	R19
PCM59AU	nc	0 Ohm
AK4318	10K	nc

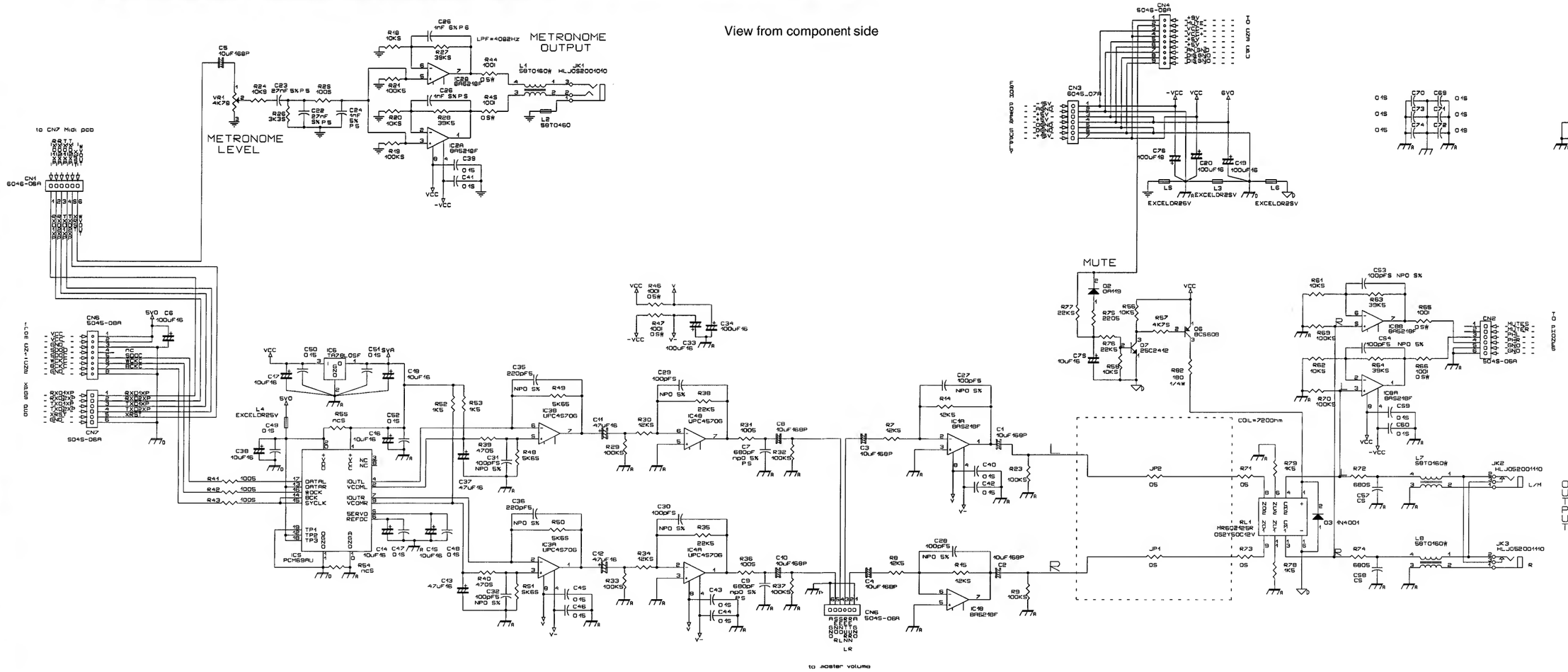
JUMPERS SETTING	
RR 6	NO
RR 7	YES
RR 8	NO
RR 9	NO
R10	YES
R11	NO
R12	YES
R13	YES
R14	YES
R15	YES
R16	YES
R17	YES
R18	NO
R19	YES

AUDIO PCB ASSY(or AUDIO BOARD)

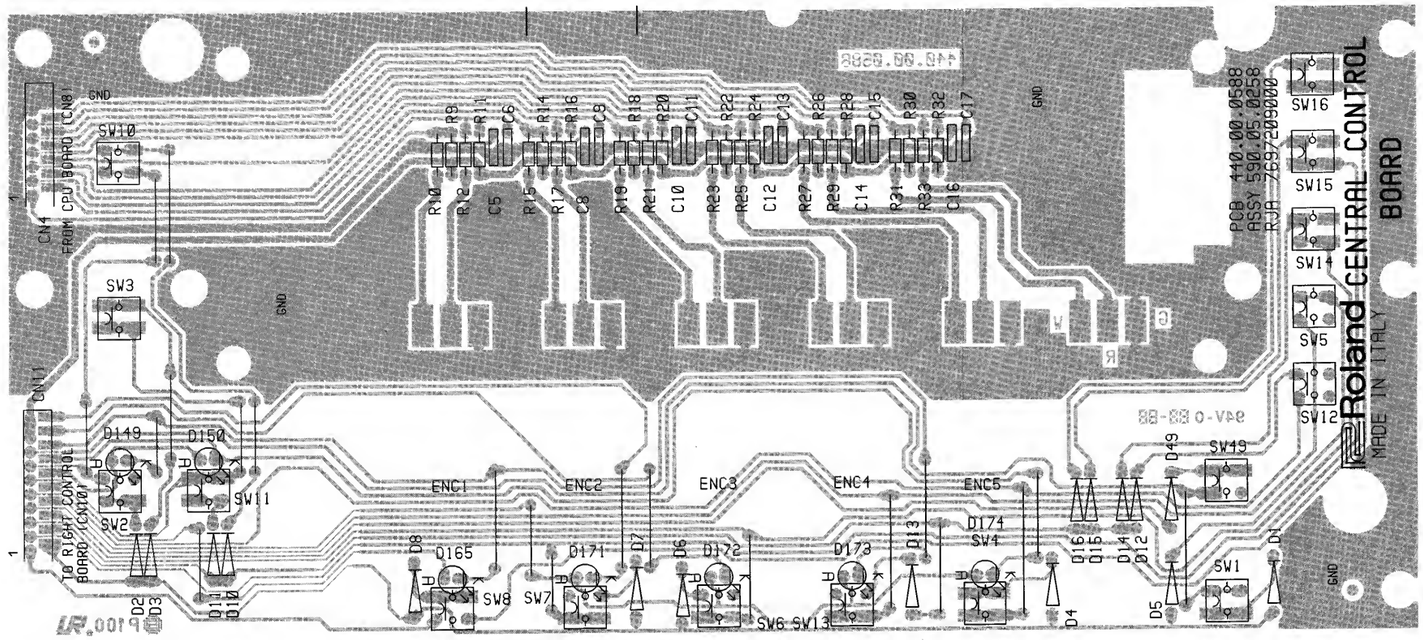


View from component side

CIRCUIT DIAGRAM(AUDIO BOARD)

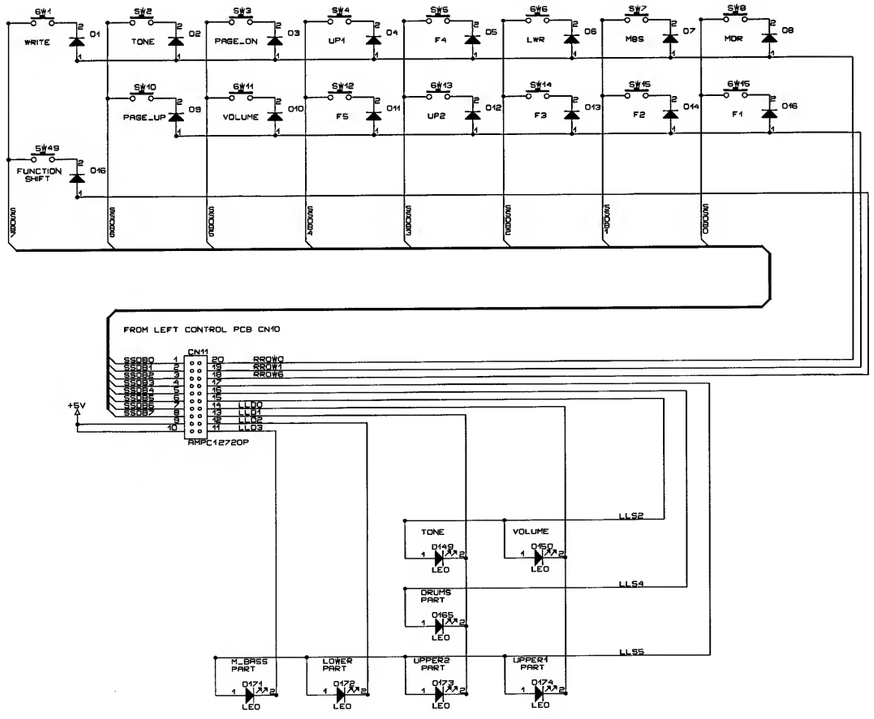


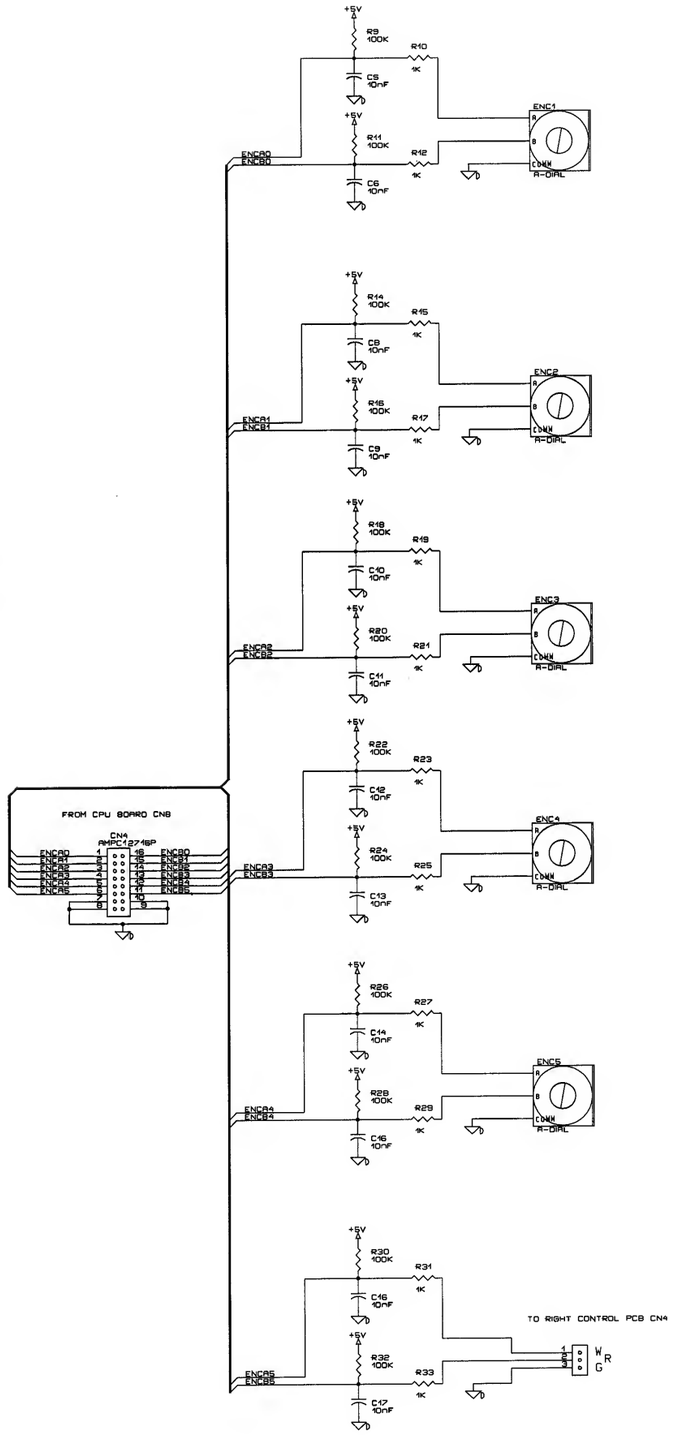
CENTRAL CONTROL PCB ASSY(or CENTRAL CONTR. BOARD)



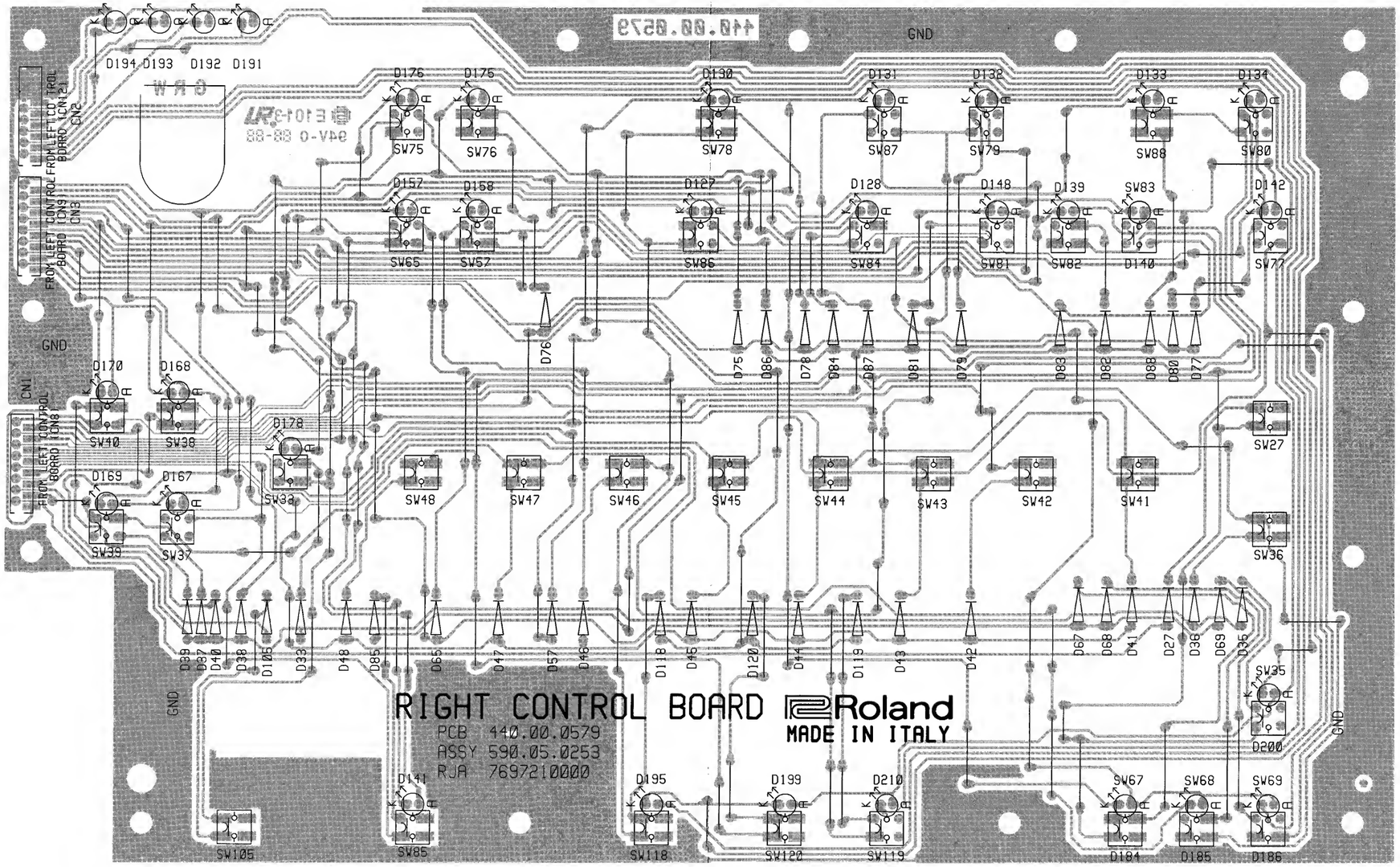
CIRCUIT DIAGRAM (CENTRAL CONTR. BOARD)

View from component side



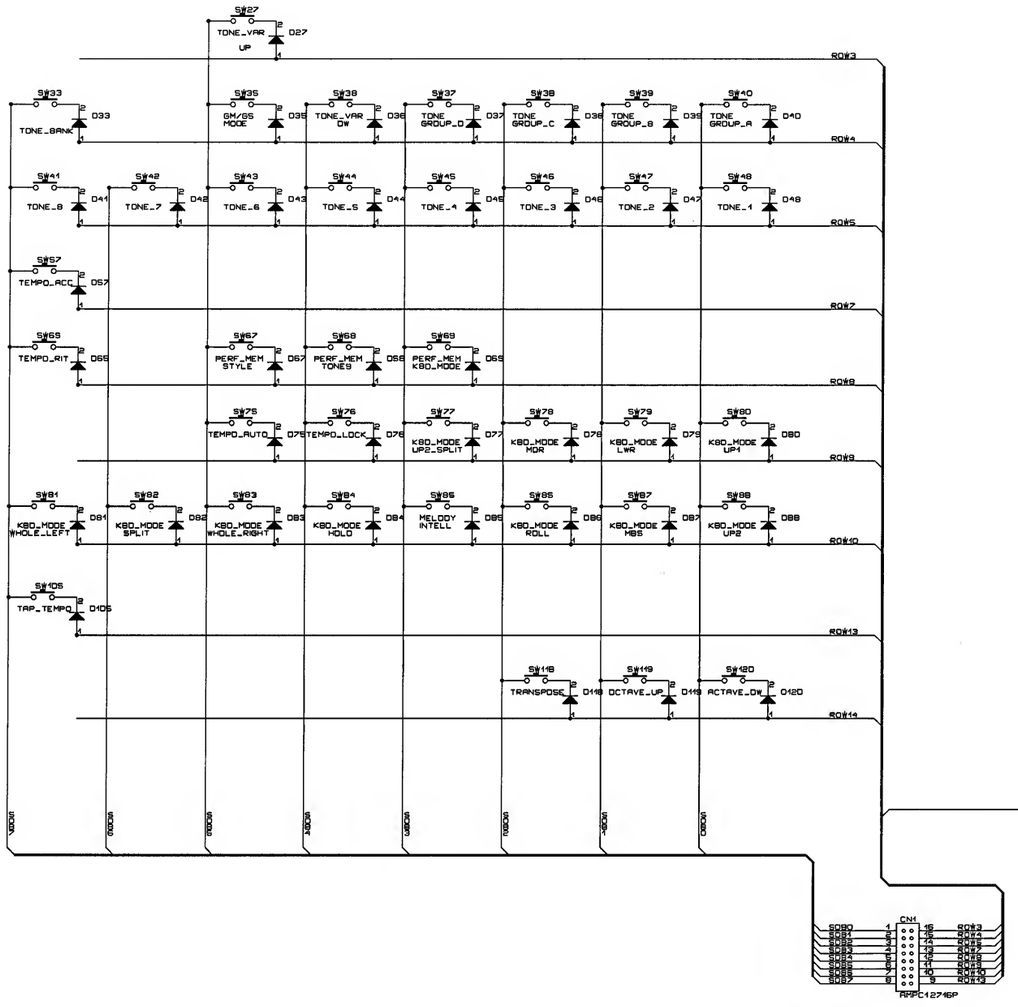


RIGHT CONTROL PCB ASSY(or RIGHT CONTROL BOARD)



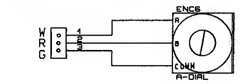
View from component side

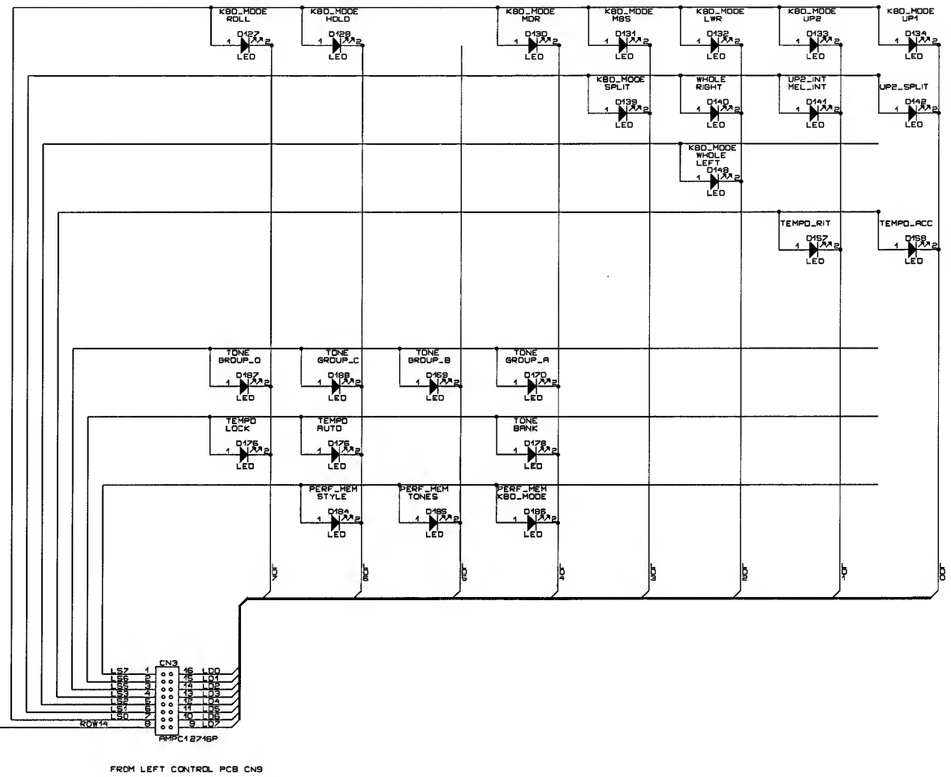
CIRCUIT DIAGRAM(RIGHT CONTROL BOARD)



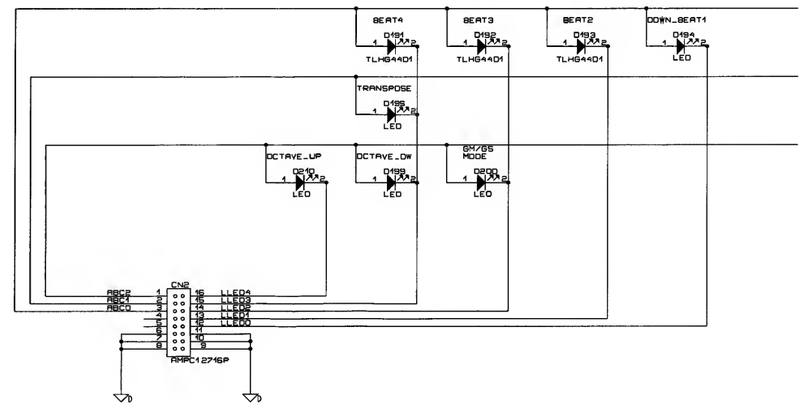
FROM LEFT CONTROL PCB CN8

FROM CENTRAL CONTROL PCB CN3



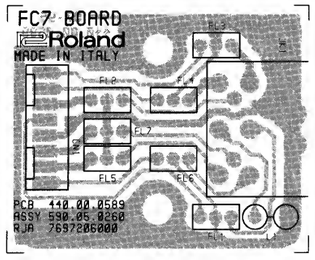


FROM LEFT CONTROL PCB CN9



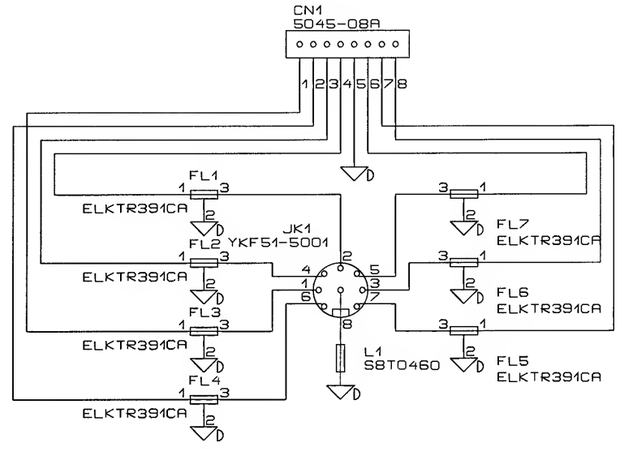
FROM LEFT CONTROL PCB CN12

FC7 PCB ASSY(or FC7 BOARD)



View from component side

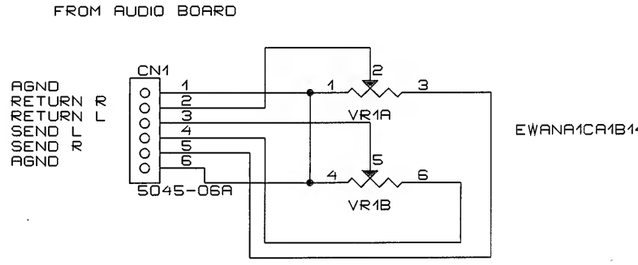
CIRCUIT DIAGRAM(FC7 BOARD)



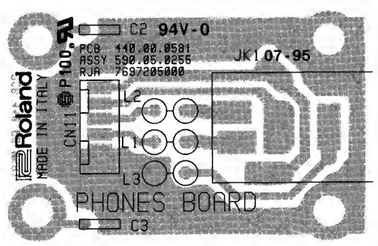
VOLUME PCB ASSY(or VOLUME BOARD)

View from component side

CIRCUIT DIAGRAM(VOLUME BOARD)

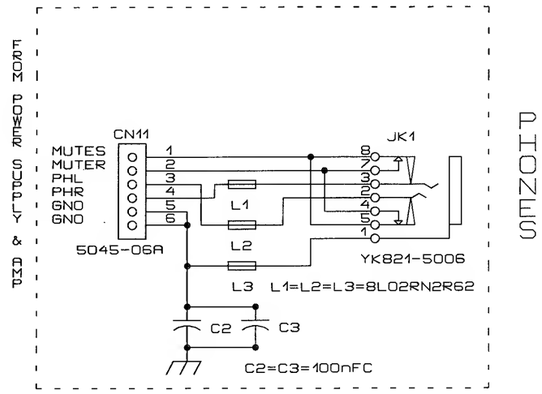


PHONES PCB ASSY(or PHONES BOARD)

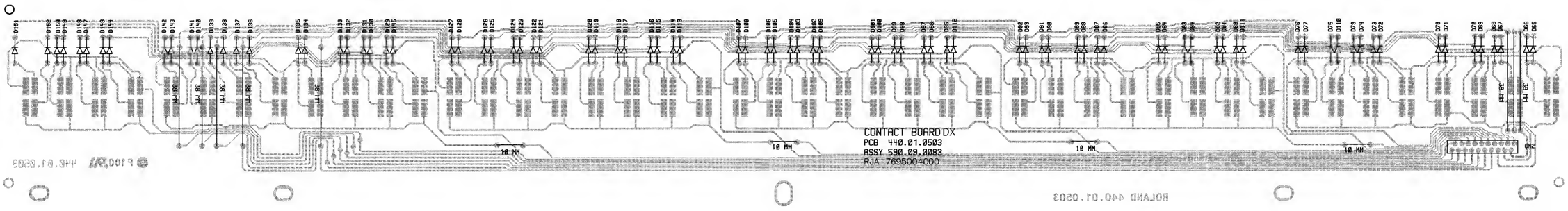


View from component side

CIRCUIT DIAGRAM(PHONES BOARD)

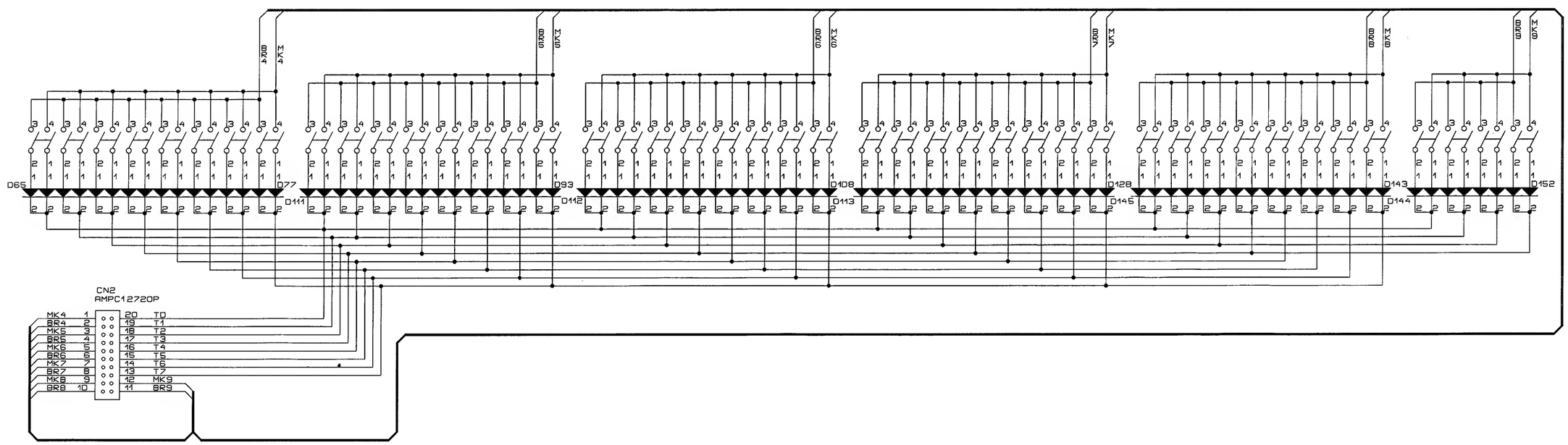


RIGHT CONTACT PCB ASSY w/RUBBER C.(or RIGHT CONTACT BOARD w/RUBBER C.)

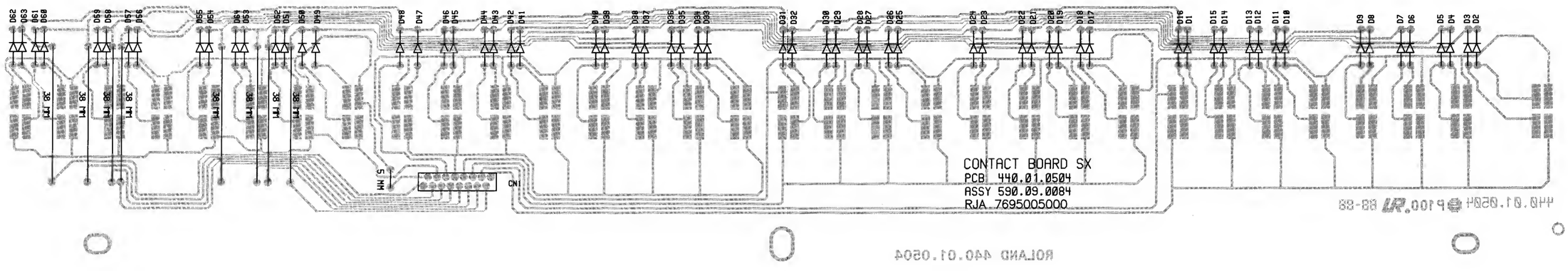


View from component side

CIRCUIT DIAGRAM(RIGHT CONTACT BOARD w/RUBBER CONT.)

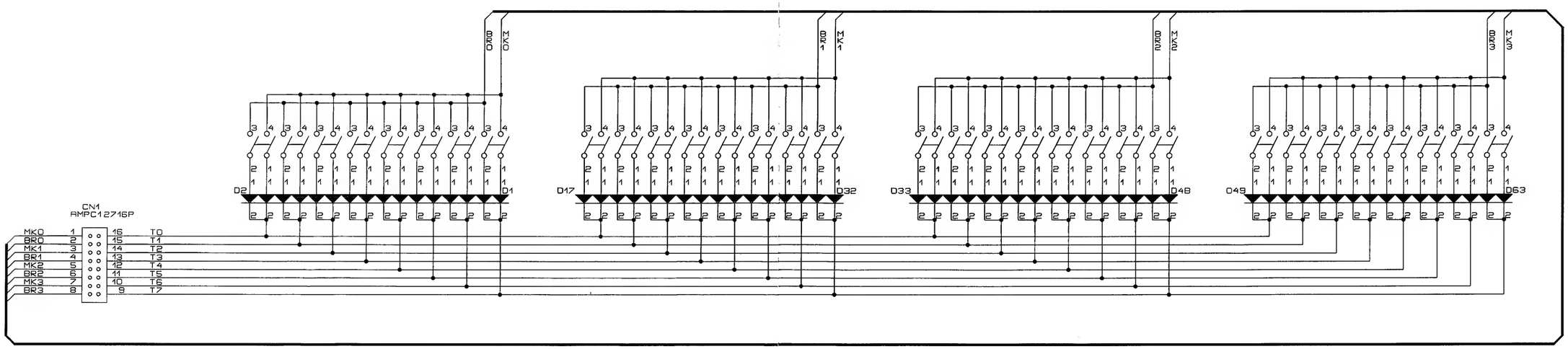


LEFT CONTACT PCB ASSY w/RUBBER C. (or LEFT CONTACT BOARD w/RUBBER C.)



View from component side

CIRCUIT DIAGRAM(LEFT CONTACT BOARD w/RUBBER C.)



G-800 TEST MODE ver 1.00

HOW TO IDENTIFY THE G-800 SOFTWARE VERSION

Press the "F1" button while turning on the instrument.
The display shows:

```
      xx.xx    version
 xx   day      xx   month      xxxx   year
```

To leave your display, turn off the instrument.

HOW TO ENTER THE G-800 TEST MODE

Press the "F2" button while turning on the instrument.
The display shows:

```
        G-800   Test   Mode
 ver 1.00                      3May 95
```

after a few seconds, the display shows:

```
 Music Style              Tone
 1  Switch                1  Rom
 2  Encoder               2  Pattern Rom
 3  Bender + Pedal        3  Dynamic Ram
 4  Lcd                   4  Static Ram
 5  Led                   5  Midi
 6  Keyboard              6  Disk
```

This is the main Menu.

HOW TO LEAVE TEST MODE

Turn off the instrument.

SWITCH TEST

Press the Music Style 1 button.
The display shows:

```
 Switch Test in progress ....

 Name     xxxxx     ooo
```

xxxxx = Name of the pressed button
ooo = On (if pressed)
Off (if released)

To go back to the main Menu, press Tone8 and F5 buttons simultaneously..

ENCODER TEST

Press the Music Style 2 button.
The display shows:

```
 Encoder Test in progress ....

 Drum part = aaa
 Accom Grp = bbb
 Bass Bank = ccc
 Lower Num = ddd
 Upper Var = eee
 AlphaDial = fff
```

aaa = from 0 to 127
bbb = from 0 to 127
ccc = from 0 to 127
ddd = from 0 to 127
eee = from 0 to 127
fff = from 0 to 127

Press the F5 button to go back to the main Menu.

BENDER + PEDAL TEST

Press the Music Style 3 button.
The display shows:

```
 Bender + Pedals Test
 Bender          = aaa      Sustain  = bbb
 Extra Bender    = ccc      Foot.    = ddd
 Modulation      = eee      Pedal    = fff
 Battery         = ggg
```

aaa = from -127 to +127
bbb = On if pressed , Off if released
ccc = from 0 to 127
ddd = On if pressed, Off if released
eee = from 0 to 127
fff = from 0 to 127
ggg = 3.17V

Press the F5 to go back to the main Menu.

LCD TEST

Press the Music Style 4 button.
Whenever you press the Music Style 4 button, the display shows:

```
 light LCD: all the pixels are off.
 dark LCD : all the pixels are lit.
 LCD shows number 8 on each character.
```

Press the F5 button to go back to the main Menu.

LED TEST

Press the Music Style 5 button.
The display shows:

```
Led Test in progress ....
```

All the LEDS will light in sequence one by one.
At the end all the LEDS will light simultaneously.

Press the F5 button to go back to the main Menu.

KEYBOARD TEST

Press the Music Style 6 button.
The display shows:

```
Keyboard Scan Test....

Key  =  aa              Vel  =  bbb
```

aa = Number Pressed or Released button
bbb = Dynamic value from ØØ to127 (ØØ=Note Off)

Press the F5 button to go back to the main Menu..

ROM TEST

Press the TONE 1 button.
The display shows:

```
Ic17(program Rom) Test in progress (AØØØØ-FFFFF)

Ic17  =  aaaaa

Ic14(program Rom) Test in progress (ØØØØØ-8ØØØØ)

Ic14  =  bbbbb
```

aaaaa = OK if everything is right, Error in case of error on Ic17.

bbbbb = OK if everything is right, Error in case of error on Ic14.

Press the F5 button to go back to the main Menu..

PATTERN ROM TEST

Press the TONE 2 button.
The display shows:

```
Ic4 (pattern Rom) Test in progress

Ic4 = aaaaa
```

aaaaa = OK if everything is right, Error in case of error on Ic4.

Press the F5 button to go back to the main Menu.

DYNAMIC RAM TEST

Press the TONE 3 button.
The display shows:

```
Ic13 Dynamic Ram Test in progress....

Ic13 = aaaaa
```

aaaaa = OK if everything is right, Error in case of error on Ic13.

Press the F5 button to go back to the main Menu.

STATIC RAM TEST

Press the TONE 4 button.
The display shows:

```
Ic16 Static Ram Test in progress....

Ic16 = aaaaa
```

aaaaa = OK if everything is right, Error in case of error on Ic16.

Press the F5 button to go back to the main Menu.

MIDI TEST

Press the TONE 5 button.
The display shows:

```
Midi Test in progress....

Connect midi A out to midi in A = aaaaa

Connect midi B out to midi in B = bbbbb
```

aaaaa = OK if everything is right, Error in case of error.
bbbbb = OK if everything is right, Error in case of error.

Press the F5 button to go back to the main Menu.

DISK TEST

Press the TONE 6 button.
The display shows:

```
Disk Test

Disk xxxxxxx

yyyyyyyyyy

     HD

TRACK = aaaa  Sector = bbbb
```

xxxxxxx = Reading or Writing
yyyyyyyyyy = OK if everything is right, Error in case of error,
Disk protected, Disk Not Formatted, Insert Disk, Write Error,
Recalibr. Error.
aaaa = Track number.
bbbb = Sector number.

Press the F5 button to go back to the main Menu.

RECOVERING FACTORY DATA

Caution !!!

Save Performance Memory (if any), MIDI Set (if any) and Chord Sequencer/Arranger Loop onto the disk to avoid data loss.

For saving method refer to the Owner Manual (Disk section).

Hold the WRITE button while powering on the instrument,
the display will show:

```
Original FACTORY SETUP has been
   LOADED !!
```

The CMOS S-RAM (IC 16) will be initialized in this way:
- Factory Performance Memory (1 to 192) will be loaded.
- Factory MIDI Set (1 to 8) will be loaded.
- Chord Sequencer / Arranger Loop Data will be cleared.
- SEQREC StlChange parameter will be set ON.

At the end of the initialization procedure the instrument will enter into normal operation mode.

PARTS LIST (100V, 117V, 230V, 230VE, 240VA)

SAFETY PRECAUTIONS:
The parts marked ⚠ have safety-related characteristics. Use only listed parts for replacement.

CONSIDERATIONS ON PARTS ORDERING

When ordering any parts listed in the parts list, please specify the following items in the order sheet.

	QTY	PART NUMBER	DESCRIPTION	MODEL NUMBER
Ex.	10	22575241	Sharp Key	C-20/50
	15	2247017300	Knob (orange)	DAC-15D

Failure to completely fill the above items with correct number and description will result in delayed or even undelivered replacement.

CASING

7697232000	VARN.+SILKSCR. TOP CBN ASSY G800	#
7697235000	VARN.+SILKSCR. BOTTOM CBN ASSY	#
00787890	SILKSCR. PLEXIGLASS G-800	#
K2248119	BLACK SUPPORT F/PHONE SOCKET	#
K2248120	BLACK PLASTIC JIG F/ D.DRIVER	#

CHASSIS

K1188103	FIXING SUPP. F/POWER SOCKET	
7697236000	VARN. JIG FOR MEGAFLOPPY	#
7697238000	VARN+SILK. LCD CONTROL SUPPORT	#

KNOB, BUTTON

K2478196	BLACK KNOB F/ENCODER E.D.45	#
K2478197	BLACK KNOB F/ENCODER E.D.18	#
K2478198	POT. COVER	#
K2478199	KNOB MM29X8 BLACK W/DIFFUSER	#
K2478200	KNOB GROUP 22X8 W/DIFF. -BLACK-	#
K2478201	KNOB GROUP 15X8 W/DIFF. -BLACK-	#
K2478202	KNOB GROUP MM 22X8 - BLACK -	#
K2478203	KNOB GROUP MM 15X8 - BLACK -	#
K2478204	BLACK KNOB MM 15X5	#
K2478205	KNOB COUPLE 15X8 W/DIFF (BLACK)	#
K2478206	KNOB COUPLE MM15X8 (BLACK)	#
22488183	POWER SWITCH KNOB N.001-BLACK	

SWITCH

13129124	SWITCH SDDG-3078A
13129753RI	SWITCH TYPE EVQ-QVT 05G

JACK, SOCKET

J3429103	I.C. SOCKET 32P
13449252	JACK SOCKET YKB 21-5006
13449125	JACK SOCKET HLJ0520-01-110
13449126	JACK SOCKET HLJ0520-01-010
13429273	DIN SOCKET 3PZ YKF51-5046
13429648	DIN SOCKET YKF51-5001

DISPLAY UNIT

7697231000	LCD ASSY	G-800	#

DISK DRIVE UNIT

00452189	FDD FZ-357 (338F1DR)

POWER SUPPLY UNIT

K2458125	SWITCHING P.S. SWM18E	(230V,230VE,240VA)
K2458126	SWITCHING P.S. SWM18A	(100V,117V)

NOTE: Replacement SWITCHING P.S.SWM18E/A should be made on a unit bassis. No replacements available for individual parts. Replacement only be a unit.

BENDER UNIT

70670034	TURBO PITCH BENDER	#

KEYBOARD ASSY

7697237000	76-KEY KEYBOARD TP/8S	#

NOTE:For details, refer to KEYBOARD PARTS LIST(P.7).

PCB ASSY

E 7697201000	CPU EPROM PCB ASSY	G-800	#
7697208000	RIGHT CONTROLS PCB ASSY	G-800	#
7697210000	LOWER CONTROLS PCB ASSY	G-800	#
7697204000	MIDI PCB ASSY	G-800	#
7697205000	HEADPHONES PCB ASSY	G-800	#
7697207000	VOLUME POT. ASSY	G-800	#
7697209000	CENTRAL CONTROLS PCB ASSY	G-800	#
7697206000	FC7 SOCKET ASSY	G-800	#
7697211000	LEFT CONTROLS PCB ASSY	G-800	#
7697202000	AUDIO PCB ASSY	G-800	#
7697203000	XPGS MODULE ASSY	G-800	#

IC

15229718RI	PHOTO-COUPLER 6N 137	
7697233000	I.C. EPROM 4M IC17 CPU	#
7697234000	I.C. EPROM 4M IC14 CPU	#
K522811310	I.C. HN624316PC21	#
K522811410	I.C. TC5316200CPL060	#
K522811510	I.C. TC5316200CPL061	#
K522811610	I.C. HN62444BPE77 DIP	#
00232656T0	I.C. TC5316200CF-L058	#
00234412T0	I.C. TC5316200CF-L059	#
00234423	I.C. HN624316FBC19	
00234434	I.C. HN624316FBC20	
J5259101	I.C. UPD 70325GJ-10 FLAT	
J5259109	I.C. HD6415108F10 FLAT	#
15169550RI	I.C. 74 HC138	
J5159106	I.C. 74 HC238	
J5159107	I.C. 74 HC574	
15259886	I.C. 74HCU04	
15249111	I.C. TC 7WU04 F FLAT	
00232645	I.C. 7W14F CHIP	
15259701	I.C. 74 HC 00	
J5259001	I.C. 74 HC 04	
J5259102	I.C. 74HC273 FLAT	
15239124	I.C. SSC1000-15239124 FLAT	
15239187	I.C. UPD91320GF-3BA	
K5258107	I.C. MBCG24942-6218	#
00349690	I.C. UPD 65622GF-13B-3B9	
J5259107	I.C. HM628128ALFP-7 FLAT	#
J5259111	I.C. MB814800-70PJ FLAT	#
J5259110	I.C. HM62256LFP-7T FLAT	#
K5258115	I.C. M5M44256BJ-7 S0J	#
J5229101	I.C. EPROM 4M 100NS	
15199780	I.C. HD63266FP-64A	
00677245	I.C. MB87B105PF (or MBCS30109B)	#
J5259006	I.C. 4051 FLAT	
15259885	I.C. TC7S32F	
15169334	I.C. 74LS05 P	
15189228RI	I.C. TL 082 P	
15219183	I.C. M51953 A STANDING	
15189210	I.C. BA 5218F	
15149146	I.C. TD62583 AP	
15149134	I.C. TD62785P	
15289119	I.C. NJM 311MTE-3	
15289111	I.C. TL062 CPS	
15289105	I.C. UPC 4570G	
J5259112	I.C. PCM69AU DAC	#
15289402	I.C. TA 78L05F	

TRANSISTOR

15119155RI	TRANSISTOR BC/560-B
15119154RI	TRANSISTOR BC/549-B
15129602	TRANSISTOR 2SD-667C
15319101	TRANSISTOR 2SC-2412
15309101	TRANSISTOR 2SA-1037KR

DIODE

15019159RI	DIODE	1N-4148
15339112	CHIP DIODE	DA119
15029320RI	LED DIODE	TLHG4401 - GREEN
15029284RI	LED DIODE	TLHR4401 - RED
15019158RI	DIODE	IN-4001

RESISTOR

13919253RI	RESISTOR ARRAY	S.L.8X15K +C	
13919200	RESISTOR ARRAY	16B-102-ME1 R2R	
15399917	CHIP RES. ARRAY	4X 10K E/U	
15399932	CHIP RES. ARRAY	4X100 E/U	
15399991	CHIP RES. ARRAY	4X 22K E/U	
J3919104	RESISTOR ARRAY	2512 8X10 K +C	#
13819132RI	UNINFL.RES.	100 OHM 0.6W 5%	
J3809150	UNINFL.RES.	33 OHM 1/4W 5%	#

POTENTIOMETER

J3219101	ROT.POT. 5KB 90Ú - MONO
J3339103	SLIDER POT. 10KB STEREO

CAPACITOR

13639154	ELECTRL.COND	-V 1000UF 16V
J3629101	ELECTRL.COND	220UF 25V RAD
J3629103	ELECTRL.COND.	100U 25V P5
J3629104	ELECTRL.COND.	10U 50V P5
J3629105	ELECTRL.COND.	47U 50V P5
J3629107	ELECTRL.COND.	1UF 100V P5
13649103J0	UNPOL.COND.	10U 16 P5 #

INDUCTOR, COIL, FILTER

22448240	NOISE SUP.	BL02RN2-R62
12449370	NOISE SUP.	SBT-0160W
12449326	NOISE SUP.	SBT-0460
13529187	NOISE SUP.	ELKTR391CA
13529186	NOISE SUP.	ELKTR150GA
12449380	NOISE SUP.	EXC-ELDR25V
00345812	NOISE SUP.	N3216Z501A01
J2399102	FERRITE RING CORE	FSOB19ORT #

CRYSTAL, RESONATOR

15299156	QUARTZ 16MHZ
00238589	QUARTZ DSX84OG 20.000MHZ XTAL
00238601	QUARTZ DSX 840G 24.576MHZ XTAL
15299112RI	CERAMIC RESONATOR 8 MHZ

RELAY

12439224RI	RELAY DS2YS-12V

ENCODER

J3119101	ENCODER EVQ-WQK F15-24B

CONNECTOR

J3459102	FEM. TERMINAL 4089C CON. P.2.5		
J3459103	FEM. TERMINAL 40445 CON. P. 2.5		
13419677RI	16P FEM. CONN.	AMP 1.27	
13369689RI	20P FEM. CONN.	AMP 1.27	
J3439110	20P MALE CONN.	P. 1.27	
13369550RI	40P MALE CONN.	P. 1.27	
13419676RI	8P MALE CONN.	MOLEX	#
13369688RI	4P MALE CONN.	P 2.5 M	
J3439103	6P MALE CONN.	P 2.5 M	
J3439106	9P MALE CONN.	P 2.5	
J3439112	2P MALE CONN.	P 2.5 M	
J3439113	7P MALE CONN.	P 2.5 M	
J3439117	6P MALE CONN.	90Ú P. 2.5	
J3439143	34P MALE CONN.	P. 1.27 M	#
J3439144	MALE CONNECTOR	53254 5V.90ÚØ.2	#
J3439145	8P MALE CONNECTOR 90Ú P.2,5M		#

WIRING, CABLE

⚠ 13499149RI	CABLE XVII-H03VVH2F-2X0.75-VII	(230V)	
⚠ 13439825	CABLE DC-320-J01	(100V)	
⚠ J3439128	CABLE 498/3SJT 2X18 AWG-C17	(117V)	
⚠ 13499152RI	CABLE BS/13/H05VV-F3G0.75-V	(230VE)	
⚠ 13499150RI	CABLE SAA/3-0D3CCFC3X0.75-V	(240VA)	
00789623	WIRING BENDER "A" RES CM.40		#
7697212001	6-CBL ASSY (64)	-2C D/R	#
7697214001	6-CBL ASSY (90)	-2C D/R	#
7697215001	7-CBL ASSY (16)	-2C D/R	#
7697216001	6-CBL ASSY (16)	-2C D/R	#
7697217001	6-CBL ASSY (30)	-2C D/R	#
7697218001	8-CBL ASSY (38)	-2C D/R	#
7697219001	8-CBL ASSY (64)	-2C D/R	#
7697220001	8-CBL ASSY (32)	-2C D/R	#
7316407001	9-CBL ASSY (22)	-2C D/D	#
7697221001	9-CBL ASSY (32)	-2C D/R	#
7697223001	16P CABLE ASSY (38)	-2C	#
7697226001	20P CABLE ASSY (22)	-2C	#
7695807001	34P CABLE ASSY (90)	-2C	#
7697229000	3-CBL ASSY (100)	-2C (4P)	#
7697230000	4P CABLE ASSY (92) SHIELDED		#

TRANSFORMER

12449584	TRANSFORMER NEL-D32-49

AC INLET

13429722RI	AC INLET 8832.FSG.40.60	(230V,100V)
J3439127	AC INLET 6102-33	(117V)
13429721RI	AC INLET 6100-33	(230VE,240VA)

BATTERY

12569149RI	LITHIUM BATTERY CR2032

SCREW

J2289102	SELF TAP.SCREW 2,9X10 TC TC
J2289126	SELF TAP.SCREW 2.9X 8 TCTCPRBZ
J2289125	SELF TAP.SCREW 2.9X10 TCTCPRBZ
J2289128	SELF TAP.SCREW 3.5X19 TCTCPRBZ
J2289107	SELF LOCK.SCREW M3X6 TC TC H.6
J2289111	SELF LOCK.SCREW M3X4 TCTC H. 6
J2289115	SELF TAP.SCREW 3.5X9.5 TCPRTFR H.8
J2289113	NUT 3MA H.3
J2139101	FLAT WASHER I/D 4
J2139102	TOOTHED WASHER I/D 3

MISCELLANEOUS

K253810301	"ATTENTION" LABEL 55X23	#	
K2168102	SPACER FOR LED H.2.8 D.E. 5.5		
J2359105	PRESSURE RUBBER SFF-018		
J2159103	DOUBLE ELASTIC PLATE		
12569420	SOCKET FOR BATTERY CR2032		
K2248110	ANTI-DUST COVER 84X20MM		
K2258106	MYLAR SCREEN MM.215X134	#	
K2618152	OUTER PACKING G-800	#	for packing
K2638161	RIGHT POLYST. END-SIDE	#	for packing
K2638162	LEFT POLYST. END-SIDE	#	for packing
K2678119	CARTENE ENVELOPE HD CM.170X56	#	
K2378103	DISKETTE W/COVER G800-01	#	

ACCESSORIES

K2128119	MUSIC REST	#	
22208320	MUSIC SCORE HOLDER		
K6018109	MIDI GUIDE		
K6018185	PLAYER'S GUIDE (E)	G-800	#
K6018186	MIDI IMPLEMENTATION	G-800	#
K6018187	REFERENCE GUIDE (E)	G-800	#

NOTE: The parts marked ⚠ have safety-related characteristics. Use only listed parts for replacement.

 # : The parts marked # are New (Initial Parts).